

MCDR INSPECTION**General**

| SN | Particulars | Details |
|-----------|--|--|
| | Date of Inspection | 04.10.2015 |
| 1 | Name of the Mine | Sahegaon Limestone Mine |
| 2 | Total Lease Area (Ha) with breakup of Non-forest and forest land | 1.310 Hect (Govt. Revenue Land), Non-forest land |
| 3 | Minecode | 38CHG05012 |
| 4 | IBM Registration Number under rule 45 of MCDR, 1988 | IBM/9606/2012 |
| 5 | Name of the lessee, Address, phone, email and fax number | Smt Ratna Pandey, 9827159307 (M), MIG - 104, Padmanabhpur, District Durg-491001 advocaterajeevpandey@gmail.com |
| 6 | Village | Sahegaon |
| 7 | Taluka/Mandal | - |
| 8 | District | Durg |
| 9 | Pincode | 490036 |
| 10 | State | Chhattisgarh |
| 11 | Post office | - |
| 12 | Nearest police station | Padnabhpur |
| 13 | Nearest Railway station | Durg |
| 14 | Date of Grant of Mining Lease | 29.07.2002 for 20 years |
| 15 | Date of Execution | August 2014 |
| 16 | Date of opening of Mine | August 2014 |
| 17 | Date of first Renewal, if applicable and its period & expiry | N.A. |
| 18 | Date of second Renewal, if applicable and its period & expiry | N.A. |
| 19 | Date of submission of renewal application if Mining Operations are continuing under deemed extension | N.A. |
| 20 | Name of the Nominated Owner with Address, phone, email, fax number and date of appointment | Smt Ratna Pandey,9827159307 (M) MIG - 104, Padmanabhpur District Durg-491001 advocaterajeevpandey@gmail.com |
| 21 | Name of the Mine Agent with Address, phone, email, fax number and date of appointment | Shri Krishna Yadav,9303061661 P.O.Medesara, District Durg-491001 |
| 22 | Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines | Shri Rajesh Sonkar, 8982512993, Flat No. 604, Anandpuram, Phase-II, Junwani Road, Bhilai(CG) |
| 23 | Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine | -do- |
| 24 | Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44. | Yes |
| 25 | Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any. | Mining Plan was Approved vide IBM letter no. CHG/LST/MPLN-679/NGP, Dated-08.12.1994 |

| SN | Particulars | Details |
|----|--|--|
| 26 | Date of Approval of Scheme of Mining/ Modified Scheme of Mining with five-year period and specific condition in approval letter, if any. | Scheme of Mining Plan was approved vide IBM letter no. YTL/LST/MPLN-353/NGP, Dated- 19.06.2009 |
| 27 | Mineral(s) granted in lease and proved for mining | Limestone |
| 28 | Method of Mining (Opencast, Underground) | Open Cast Mine |
| 29 | Category (Fully Mechanised, Others or Manual) | Manual |
| 30 | Captive/Non Captive | Captive |

Exploration

| SN | Item | Proposals | Actual work | Remarks |
|----|--|------------------------------|-------------|---------|
| 1a | Backlog of previous year | 01 | Not done | - |
| 1b | Exploration over lease area for Geological axis 1 or 2. | Proposed 1 nos. of boreholes | Not done | |
| 1c | Exploration Agency & Expenditure in lakh Rupees during the year | Cost 1000/- Rs Meter | Not done | -- |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | NA | NA | -- |
| 1e | Balance reserves as on 01.04.2015 | | | -- |
| 1f | General remarks of inspecting officer on geology, exploration etc. | Nil | | |

Development

| SN | Item | Proposals | Actual work | Remarks |
|----|---|-----------------------|-----------------------|---------|
| 2a | Location of development w.r.t. lease area | Northern Part | Northern Part | -- |
| 2b | Separate benches in topsoil, overburden and mineral (Rule 15) | NA North - Mineral | NA North - Mineral | -- |
| 2c | Stripping ratio or or e to OB ratio | Avr 1:0.18 | Avr 1:0.18 | |
| 2d | Quantity of topsoil generation in m3 | Nil | Nil | |
| 2e | Quantity of overburden generation in m3 | Nil | Nil | |
| 2f | General remarks of inspecting officer on development of pit w.r.t. type of deposit etc. | Nil | | |

Exploitation

| SN | Item | Proposals | Actual work | Remarks |
|----|--|-----------|-------------|---------|
| 3a | Number of pits proposed for production | 01 | 01 | |
| 3b | Quantity of ROM mineral | 19500 MT | - | |

| SN | Item | Proposals | Actual work | Remarks |
|----|--|--------------|--------------|---------|
| | production proposed | | | |
| 3c | Recovery of salable/usable mineral from ROM production | 17550 MT | - | |
| 3d | Quantity of mineral reject generation | Nil | Nil | |
| 3e | Grade of mineral reject generation and threshold value declared | - | - | |
| 3f | Quantity of sub-grade mineral generation | - | - | |
| 3g | Grade of sub-grade mineral generation | - | - | |
| 3h | Manual / Mechanised method adopted for segregating from ROM | Manual | Manual | |
| 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 | |
| 3k | Provision of mining machineries in mineral benches | Not Proposed | Nil | |
| 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 | 0.98 Ha | 0.98 Ha | |
| 3n | Ore to OB ratio for the pit/mine during the year | 1:0.18 | 1:0.18 | |
| 3o | Total area put in use under different heads at the end of year | 1.30 Hect | 1.30 Hect | |
| 3p | Production of ROM mineral during last five-year period, as applicable 2011-2015 | --- | 25985 tonnes | |
| 3q | General remarks of inspecting officer on method of mining etc. | Nil | | |

Solid Waste Management-Dumping

| SN | Item | Proposals | Actual work | Remarks |
|----|--|-----------|-------------|---------|
| 4a | Separate dumping of topsoil, OB & mineral reject (Rule 32, 33) | Nil | Nil | |
| 4b | Location of topsoil, OB & mineral reject dumps | Nil | Nil | |
| 4c | Number of dumps within lease area and outside lease area | Nil | Nil | |

| | | | | |
|----|---|-----|-----|--|
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | Nil | Nil | |
| 4e | Number of active & alive dumps | Nil | Nil | |
| 4f | Number of dead dumps | Nil | Nil | |
| 4g | Number of dumps stabilised | Nil | Nil | |
| 4h | Whether Retaining wall or garland drain all along dumps are there | Nil | Nil | |
| 4i | Length of Retaining wall or garland drain all along dump | Nil | Nil | |
| 4j | Number of settling ponds | Nil | Nil | |
| 4k | Specific comments of inspecting officer on waste dump management | Nil | | |

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 | Nil | Nil | |
| 5b | Area under backfilling of mined out area | Nil | Nil | |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) | Nil | Nil | |
| 5d | Total area fully reclaimed & rehabilitated | Nil | Nil | |
| 5e | General remarks of inspecting officer on backfilling, reclamation etc | Nil | | |

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 | Nil | |
| 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 | Not Proposed Pisciculture Rs 21000/- | 0.05 ha 50 No. Appr.100 Nos Pisciculture Rs 15000 | |

| SN | Item | Proposals | Actual work | Remarks |
|----|--|-----------|-------------|---------|
| | during the year | | | |
| 6c | Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (Lx Bx 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 | Nil | Nil | |
| 6e | Compliance of Environmental monitoring (core zone & buffer zone) | Nil | Nil | |
| 6f | General remarks of inspecting officer on PMCP compliance & progressive closure operations | Nil | Nil | |

Mineral Conservation

| SN | Item | Proposals | Actual work | Remarks |
|----|--|--------------|-------------|---------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | Not Proposed | Nil | |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical | Manual | Manual | |
| 7c | Different grade of mineral sorted out at mines | Nil | Nil | |
| 7d | Any beneficiation process at mines | Nil | Nil | |
| 7e | General remarks of inspecting officer on Mineral conservation & beneficiation issues | Nil | | |

Environment

| SN | Item | Proposals | Actual work | Remarks |
|----|--|----------------|-------------|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | For plantation | done | |
| 8b | Concurrent use or storage of topsoil | For plantation | done | |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | No rejects | Nil | |

| | | | | |
|----|---|---------|---------|--|
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | Nil | Nil | |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | Nil | Nil | |
| 8f | Baseline information on existence of plantation & additional plantation | No tree | 20 nos. | |
| 8g | Survival rate | 50% | 10% | |
| 8h | Water sprinkling on roads to control airborne dust | Nil | Nil | |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | Nil | | |

Compliance of Rule 45

| SN | Item | Comments | Remarks |
|----|--|---|---------|
| 9a | Status of submission of Monthly and Annual returns | M.R. Submitted upto Oct 2015 A.R. submitted upto 2014-15 | |

| SN | Item | Details given in A.R. | Observation of I/Officer | Remarks |
|----|---|--|--------------------------|---------|
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Columns of annual return filled up more or less correctly. | | |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | | | |
| 9d | Scrutiny of Annual return on afforestation | | | |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade & quantity) | | | |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | | | |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price & production cost | | | |
| 9i | Scrutiny of Annual return on fixed assets | | | |
| 9k | Scrutiny of Annual return on mining machineries | | | |

Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

Violations of MCDR 1988 were not observed.

Date 01.03.2016

(S.M.Dorle)
Asstt Mining Engineer
(Name of inspecting officer
with designation and date