

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

Review and updation of Mining Plan REPORT

Goa regional office

Mine file No : GOA/FE/191/3

Mine code : 30GOA02096

- (i) Name of the Inspecting : **SP01() SURESH PRASAD**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 11/10/2017
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MOLCORNEM**
- (b) **Registration NO. :**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : GOA
- District : SOUTH GOA
- Village : AGLOTE
- Taluka : SANGUEM
- Post office :
- Pin Code :
- FAX No. :
- E-mail :
- Phone :
- (f) Police Station : SANGUEM
- (g) First opening date : 01/01/1952
- (h) Weekly day of rest : SUN
2. Address for : VILLAGE: SACORDA/MALPONA
correspondance TQ: SANGUEM/SATTARI
GOA
3. (a) Lease Number : GOA0205
- (b) Lease area : 100
- (c) Period of lease :
- (d) Date of Expiry : 22/11/2027
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : V.M. SALGAOCAR & BROTHERS LIMITED
Salgoacar House, P.B.No. 14
Fr. Gomes Road, Vasco-da-
gama SOUTH GOA GOA
Phone:0832-2512111, 2513808
FAX :0832-2513813

Owner : SHIVANAND V. SALGAOCAR
V.M.Salgaocar&BroPvtLtd.,
Salgaocar House,Francisco
Luis Gomes Rd.,VascodaGam
SOUTH GOA GOA
Phone: 512111(Off.) 51
FAX : 0832-513813

6. Date of approval of Mining : Renewal under rule 24 MCR1960 22/06/2007
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 20/01/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration:

| Item | Proposals 2016-17 | Actual work 2016-17 | Remarks |
|---|---------------------------------------|---------------------|---|
| 1A.Backlog of previous year | NIL | NIL | As reported by Lessee representative, Mines was not operated from the year 2008-09 to 2016-17 due to F.C. clearance as mining lease falling within 1 KM from the forest safety Zone and Hon'ble Supreme Court Orders. |
| 1B.Exploration over lease area for geological axis 1 or 2 | 6 nos. | NIL | |
| 1C.Exploration agencies and expenditure in lakh during the year | NIL | NA | |
| 1D.Balance area to be explored to bring geological axis 1 or 2 | nil | NIL | |
| 1E.Balance reserve/resource on 01.04.2017 | 8.455 MT as per approved SOM | NIL | |

2. Development:

| | | | |
|--|--------------|-----|--|
| A. Location of development in lease area | In one pit | NIL | |
| B. Separate benches in topsoil, overburden and minerals (Rule 15) | No top soil, | NIL | |
| C. Stripping ratio (ore to OB ratio) | 1:0.63 | NIL | |
| D. Quantity of topsoil generation in m3 | No Proposal | NIL | |
| E. Quantity of overburden generation in M ³ and in metric Ton | 16400 M3 | NIL | |

3. Exploitation:

| | | | |
|--|--------|-----|--|
| A. Number of pit proposed for production | 1 No | NIL | |
| B. Quantity of ROM mineral production proposed. | 66,000 | NIL | |
| C. Recovery of sailable/usable mineral from ROM production | 66,000 | NIL | |
| D. Quantity of mineral rejects generation | - | NIL | |
| E. Grade of Mineral rejects generation and | - | NIL | |

| | | | |
|--|--------------------|-----|-------------------------|
| threshold value declared | | | Mine was not restarted. |
| F. Quantity of Sub-grade mineral | - | NIL | |
| G. Grade of Sub-grade mineral generation | - | NIL | |
| H. Manual/Mechanical method adopted for segregating from ROM | Mechanical | NIL | |
| I. Any analysis for benefaction study proposed and carried out for sub grade mineral | - | NIL | |
| J. Provision of drilling and blasting in mineral benches. | No Proposal | NIL | |
| L. Whether height of benches in overburden and mineral suitable for method of mining proposed. | Yes | NIL | |
| M. Total area covered under excavation/pits | 24.645 Ha | NIL | |
| N. Ore to OB ratio for the pit/mine during the year | 1:0.63 | NIL | |
| O. Total area put in use under different heads at the end of the year | - | NIL | |
| P. Production of ROM mineral during the last five years period as applicable | 2013-14 to 2016-17 | NIL | |

4. Waste:

| | | | |
|---|--------------------------|---------------|---|
| A. Separate dumping of top soil, OB and mineral rejects (Rule 32, 33) | No proposal for Top soil | NIL | Mines were not operated from 2008-09- to 2016-17 and till date of inspection. |
| B. Location of top soil, OB and mineral rejects dumps | One OB dump | NIL | |
| C. Number of dumps with in lease area and outside of the lease area | area | NIL | |
| D. Location of dumps w.r.t ultimate pit limit | Dump-1 | NIL | |
| E. Number of active and alive dumps. | Surface dumping | NIL | |
| F. Number of dead dumps | 1 no. | NIL | |
| G. Numbers of dumps established | - | NIL | |
| H. Whether retaining wall or garland drain all along dump are there | - | Old/existing | |
| I. Length of retaining wall or garland drain all along dumps | - | NIL | |
| J. Number of settling ponds | - | Existing pits | |

5. Backfilling:

| | | | |
|--|-----|-----|--|
| A. Status of part or full extraction of mineral from | nil | NIL | |
|--|-----|-----|--|

| | | | |
|--|--------------------------|-----|--|
| mined out area before starting backfilling | | | |
| B. Area under backfilling of mined out area | nil | NIL | |
| C. Concurrent use of topsoil for restoration or rehabilitation of mineral out area | No proposal for Top soil | NIL | |
| D. Total area fully reclaimed and rehabilitated. | - | NIL | |

6. PMCP:

| | | | |
|--|---|-----|---|
| A. Whether annual report on PMCP submitted on time and correctly, | - | - | Mines was not operated from 2008-09 to 2016-17 and further till date of inspection. |
| B. Area available for rehabilitation (Ha) | - | NIL | |
| C. Afforestation done (Ha) | - | NIL | |
| D. No. of sapling planted during the year. | - | NIL | |
| E. Cumulative no. of plants. | - | NIL | |
| F. Any other method of rehabilitation | - | NIL | |
| G. Cost incurred on watch and care during the year | - | - | |
| H. Compliance on reclamation and rehabilitation by backfilling (i) voids available for backfilling L*B*W | - | NIL | |
| I. Compliance on reclamation and rehabilitation by backfilling (ii) voids filled by waste/tailings. | - | NIL | |
| J. Compliance on reclamation and rehabilitation by backfilling (iii) afforestation on backfilling area | - | NIL | |
| K. Compliance on reclamation and rehabilitation by backfilling(iv) rehabilitation by making water reservoir | - | NIL | |
| L. Compliance on reclamation and rehabilitation by backfilling (V) any other specific means. | - | NIL | |
| M. Compliance on rehabilitation of waste land within lease (i) afforestation : | - | NIL | |
| N. Compliance on rehabilitation of waste land within lease (ii) area rehabilitation (Ha) : | - | NIL | |
| O. Compliance on rehabilitation of waste land within lease (iii) method of rehabilitation : | - | NIL | |
| P. Compliance of environmental monitoring (core zone & buffer zone) | - | - | |

II. Conservation:

| | | | |
|--|------------|-----|--|
| A. ROM mineral dispatch or grade wise sorting within lease area. | Yes | NIL | |
| B. Method of grade wise mineral sorting i.e. manual or mechanical. | Mechanical | - | |
| C. Different grade of mineral sorted out of mines | Yes | NIL | |
| D. Any beneficiation process at mines | NIL | NIL | |

III. Environment:

| | | |
|--|-----------------------------------|-----|
| A. Separate removal and utilization of topsoil | No Proposal | NA |
| B. Concurrent utilization of topsoil | No Proposal | NA |
| C. Separate dumps for overburden, waste rock, rejects and fines | yes | NIL |
| D. Use overburden, waste rock, rejects and fines dumps for restoring the lands to its original use. | OB/waste For back filling purpose | NIL |
| E. Phased restoration, reclamation and rehabilitation of lands affected by mining operation (pits, dumps etc.) | - | NIL |
| F. Baseline information on existence of plantation and additional plantation done | - | - |
| G. Survival rate | - | - |
| H. Water sprinkling on roads to control airborne dust : | Water tankers | NIL |

IV. Compliance on Rule 45:

| | |
|--|--|
| A. Status of submission of monthly & annual returns | |
| B. Scrutiny of annual return for information on Mining Engineer, Geologist and Manager : | |
| C. Scrutiny of annual return on land use pattern for area under pits, reclaimed area, dumps etc. | |
| D. Scrutiny of annual return on afforestation | |
| E. Scrutiny of annual return on mineral rejects generation (grade and quantity) | |
| F. Scrutiny of annual return on ROM stock and /graded ore | |
| G. Scrutiny of annual return on sale value, Ex. Mines price and production cost | |
| H. Scrutiny of annual return on fixed assets | |
| I. Scrutiny of annual return on mining machineries. | |

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 :

(SURESH PRASAD)

Indian Bureau of Mines