

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

MCDR inspection REPORT

Bangalore regional office

Mine file No : KNT/CTD/FE/50/BNG

Mine code : 30KAR07034

- (i) Name of the Inspecting : **S21**) **H M Shivakumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Sri. B. Gopal-Mines Manager & Mining Engineer, Sri. B.
Official with
Designation
- (iv) Date of Inspection : 12/11/2022
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DINDADAHALLI FE ML 2658 2**
- (b) **Registration NO.** : **IBM/6285/2011**
- (c) **Category** : **A Other than Fully Mech.**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **CHITRADURGA**
- Village : **DINDADAHALLI**
- Taluka : **CHITRADURGA**
- Post office :
- Pin Code : **577501**
- FAX No. : **0832-2654384**
- E-mail : **goasponge@rediffmail.com**
- Phone : **0832-2654384**
- (f) **Police Station** : **chitrdurga**
- (g) **First opening date** : **25/02/2011**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **Goa Sponge & Power Ltd.,
Ltd., SURVEY NO. 58/1, 59/1, 60/1,
VILLAGE SANTONA, SANGUEM-403704**
3. (a) **Lease Number** : **KAR1668**
- (b) **Lease area** : **10.98**
- (c) **Period of lease** : **50**
- (d) **Date of Expiry** : **24/02/2061**
4. **Mineral worked** : **IRON ORE** **Main**

5. Name and Address of the

Lessee : GOA SPONGE AND POWER LIMITED
 CHITRADURGA KARNATAKA
 Phone:
 FAX :

Owner : Jogindarkumar Shyamlal Singla
 A/1 Aquamarina Society,
 Venaulim Near Colva Police
 Station, Margao, Colva,
 South Goa, Goa-403708 SOUTH
 GOA GOA
 Phone: +91 7420078211/
 FAX :

Agent : R. Rama Mohan Reddy
 SOUTH GOA GOA
 Phone:
 FAX :

Mining Engineer

Name : B GOPAL, Full Time
 Qualification :
 Appointment/ : 31/05/2022
 Termination date

Geologist

Name : B VIJAY KUMAR, Full Time
 Qualification :
 Appointment/ : 30/05/2022
 Termination date

Manager

Name : B GOPAL
 Qualification :
 Appointment/ : 31/05/2022
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	11/05/2006
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	09/05/2013
	:	Mining Scheme rule 12 MCDR1988	02/05/2016
	:	MP review under 17(1) MCR 2016	05/01/2021

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	13	Nil	No mining activities were carried out.
1b	Exploration over lease area for geological axis 1 or 2	7.09	NIL	No mining activities were carried out.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	No mining activities were carried out.
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	No mining activities were carried out.
1e	Balance reserve as on 01/04/20	9,99,037	NIL	No mining activities were carried out.
1f	General remarks of inspecting officers on geology, exploration etc			The entire Mining Lease is of Iron Ore float deposit varying from 8m to 10m depth. The proposed exploration during the year 2021-22 is not carried out as Mining operations did not start for want of statutory clearances. The mine is reopened on 17/06/2022.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Northern side of the lease	Nil	During the RY-2021-22 Mining operations did not start for want of statutory clearances.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Nil	Nil	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
2c	Stripping ratio or ore to OB ratio	0:0.49	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
2d	Quantity of topsoil generation in m3	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
2e	Quantity of overburden generation in m3	4,667	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			During the RY-2021-22 Mining operations did not start for want of statutory clearances. However, the mine was re-opened on 17/06/2022 in the year 2022-2023 thereby working in the locations proposed for 21-22. Violations Issued.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	Nil	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
3b	Quantity of ROM mineral production proposed	35,000 tonnes	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.

3c	Recovery of sailable/usable mineral from ROM production	The percentage of recovery is taken as 50 to 60% for ore and 40 to 50% is considered as Intercalated waste for Hematitic Iron Ore (Float).	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances. However, on the day of inspection i.e., 12.11.2022 it was reported for 100% recovery being achieved.
3d	Quantity of mineral reject generation	4,667 m3	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances. However, on the day of inspection i.e., 12.11.2022 it was reported for 100% recovery being achieved.
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances. However, on the day of inspection i.e., 12.11.2022 it was reported for 100% recovery being achieved.
3f	Quantity of sub grade mineral generation.	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances. However, on the day of inspection i.e., 12.11.2022 it was reported for 100% recovery being achieved.

3g	Grade of sub grade mineral generation	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances. However, on the day of inspection i.e., 12.11.2022 it was reported for 100% recovery being achieved.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized method	Nil	Mechanized method is adopted for size segregation during 2022-23 workings.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	No sub grade mineral is generated and beneficiation do not arise.
3j	Provision of drilling and blasting in mineral benches	NIL	NIL	The entire Mine is a float ore deposit.
3k	Provision of mining machineries in mineral benches	Excavator and tipper.	Nil	Excavator & tipper deployed during 2022-23.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	The bench height is 4m and width of the benches will be more than the bench height is maintained, over all pit slope angle of 45° will be maintained	NIL	The 4 m bench proposed for float ore mining is found to be suitable.
3m	Total area covered under excavation/pits	0.12	Nil	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
3n	Ore to OB ratio for the pit/mine during the year.	0:0.49	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.

3o	Total area put in use under different heads at the end of year	0.91Ha	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
3p	Production of ROM mineral during the last five year period as applicable	2017-18 2018-19: 2019-20: 2020-21: 2021-22 (in tonnes)	2017-18 2018-19: 2019-20: 2020-21: 2021-22: (in tonnes)	NIL
3q	General remarks of inspecting officers on method of mining etc.			Open pit method of mining is proposed and carried out during 22-23 with 4m height benches and +4m bench width.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There is no top soil generation	NIL	There is no top soil generation
4b	Location of topsoil, OB and mineral reject dumps	NIL	NIL	
4c	Number of dumps within lease area and outside of lease area	NIL	NIL	Dumping was proposed with concurrent with Back-Filling. However, during 2022-23 it is reported for 100% recovery and no waste is being generated.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	NIL	No dumps in the past and in future also no dumps are going to be generated.
4e	Number of active and alive dumps.	NIL	NIL	No dumps in the past and in future also no dumps are going to be generated.

4f	Number of dead dumps.	NIL	NIL	No dumps in the past and in future also no dumps are going to be generated.
4g	Number of dumps established.	NIL	NIL	No dumps in the past and in future also no dumps are going to be generated.
4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	NIL	Does not arise.
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	The garland drain is already existing and running all along the center part lease; this is committed to be maintained.
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management			Dumping was proposed by concurrent back filling into the float ore mined out pits. However, during mining in 2022-23 lessee reported 100% recovery and therefore No dumps in the past is formed and in future also no dumps are going to be generated. Lessee informed that they will submit modifications to approved MP incorporating all the changes.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Concurrent back-filling of waste is proposed into the mined-out pits as the mineral will be exhausted in the proposed mining pits and no dump is proposed as method of disposal of waste is by means of simultaneous back-filling.	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
5b	Area under backfilling of mined out area	2,692 m2	Nil	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	There is no top soil generation	Nil	There is no top soil generation
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	There is no proposal

5e	General remarks of inspecting officers on backfilling and reclamation etc.	Concurrent back filling of waste into the float ore mined out pits was proposed in the approved MP. However, during mining in the year 2022-23, lessee reported 100% recovery and therefore backfilling could not be achieved and future also may not be able to achieve. Lessee informed that they will submit modifications to approved MP incorporating all the changes.
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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).	Not required	Nil	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
6b	Area available for rehabilitation (ha) .	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
6c	afforestation done (ha).	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
6d	No. of saplings planted during the year	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.

6e	Cumulative no .of plants	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
6f	Any other method of rehabilitation	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
6g	Cost incurred on watch and care during the year	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
6p	Compliance of environmental monitoring (core zone and buffer zone)	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			During the RY-2021-22 Mining operations did not start for want of statutory clearances.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
7c	Different grade of mineral sorted out at mines.	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.

7d	Any beneficiation process at mines .	NIL	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			During the RY-2021-22 Mining operations did not start for want of statutory clearances. However, during mining in the year 2022-23, lessee reported 100% recovery and therefore Mineral conservation is fully taken care and beneficiation of ore do not arise. Lessee informed that they will submit modifications to approved MP incorporating all the changes.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There is no top soil	NIL	-
8b	Concurrent use or storage of topsoil	NIL	NIL	--
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Concurrent backfilling of waste into float ore mined out pits.	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances. However, during mining in the year 2022-23, lessee reported 100% recovery in float ore mining.

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Concurrent backfilling of waste into float ore mined out pits.	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances. However, during mining in the year 2022-23, lessee reported 100% recovery in float ore mining.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Concurrent backfilling of waste into float ore mined out pits.	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances. However, during mining in the year 2022-23, lessee reported 100% recovery in float ore mining.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	0.12Ha	Nil	During the RY-2021-22 Mining operations did not start for want of statutory clearances.
8g	Survival rate	90%	NIL	-
8h	Water sprinkling on roads to control airborne dust	2KLD	NIL	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to Nov-2022 on 01.12/2022. A.R. Submitted up to 21-22 on 27/09/2022 on line nil returns due to login problem. However hard copies submitted in time.		During the RY-2021-22 Mining operations did not start for want of statutory clearances.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NIL	NIL	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NIL	NIL	NIL
9d	Scrutiny of Annual return on afforestation	NIL	NIL	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	Old existing mineral stacks were not reported and violation issued.	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	NIL	NIL
9h	Scrutiny of Annual return on fixed assets	NIL	Value on fixed assets were not reflected correctly. Violation issued.	NIL

9k	Scrutiny of Annual return on mining machineries	NIL	During the RY-2021-22 Mining operations did not start for want of statutory clearances. However, on the day of inspection the proposed excavator, tipper and screening units are found deployed in the mine.	NIL
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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
MCDR17 Rule 11(1)	11/01/2023		MCDR17 Rule 45(7)	11/01/2023	
MCDR17 Rule 45(7)(a)	11/01/2023				

Date :

(H M Shivakumar)

Indian Bureau of Mines