

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

Mining Plan Modification REPORT

Goa regional office

Mine file No : KNT/BJP/LST-58/GOA

Mine code : 38KAR26025

- (i) Name of the Inspecting : P01) PREM PRAKASH
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : SHRI. G.HARENDRA, TQP
Official with
Designation
- (iv) Date of Inspection : 11-DEC-19
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : NAGANPUR (ML 2358)
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BAGALKOT
- Village : NAGANPUR
- Taluka : MUDHOL
- Post office : LOKAPUR
- Pin Code : 587122
- FAX No. :
- E-mail :
- Phone : 08350-240068
- (f) **Police Station** :
- (g) **First opening date** : 05-JUL-02
- (h) **Weekly day of rest** : TUE
2. **Address for correspondance** : Naganpur Limestone Mine of Shri H.G.Shripad
At-Naganapur, Tq- Mudhol
Dist- Bagalkot
3. (a) **Lease Number** : KAR1451
- (b) **Lease area** : 2.42
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 02-JUL-22
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : H. G. SHRIPAD
M/s Ashirwad Minerals
"Parimala", Vidyagiri,
Mahantesh Road, BAGALKOT
KARNATAKA
Phone:
FAX :

Owner : H.G.SHRIPAD
PARIMALA MAHANTESH
VIDAYAGIRI BAGALKOT
BAGALKOT KARNATAKA
Phone: 08354--233258
FAX : NIL

Mining Engineer

Name : MANJUNATH PRASAD, Full Time
Qualification : Dip. in Mining And Surveying
Appointment/ : 15-SEP-03
Termination date

Geologist

Name : Shri Suresh Khot, Part Time
Qualification : Msc Geology
Appointment/ : 01-AUG-14
Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	18-JUN-02
Plan/Scheme of Mining		Modif.of approved Mining Plan	06-FEB-06
		Mining Scheme rule 12 MCDR1988	20-NOV-07
		Mining Scheme rule 12 MCDR1988	10-SEP-12
		MP modif under 17(3) MCR 2016	06-APR-17

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	5 DTH ,120 mtr proposed in year 2017-18	5 DTH, 120 mtr.	DTH holes drilled in year 2018-19, Form J & K submitted.
1b	Exploration over lease area for geological axis 1 or 2	No exploration proposal in the year 2018-19	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		Rs. 75,125 /-	Exploration Expenditure incurred as reported in Form-K submitted.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	The entire Lease area is covered under Geological axis 1 or 2.
1e	Balance reserve as on 01/04/20		Balance reserves as on 01/04/2019 : 111-7,40,8397 MT 221-5,98,575 MT	As per submitted Annual Return of the year 2018-19
1f	General remarks of inspecting officers on geology, exploration etc		No exploration proposal was given for the year 2018-19. The entire Lease area is covered under Geological axis 1 or 2.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No proposal for development/waste removal in the year 2018-19	Nil	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not Applicable	Not Applicable	All the proposal given for the mineral benches only.
2c	Stripping ratio or ore to OB ratio	1:0.00	1:0.00	

2d	Quantity of topsoil generation in m3	Nil	Nil
2e	Quantity of overburden generation in m3	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		No proposal for development/ waste removal is given in the year 2018-19. Entire lease area is mineralized. Hence, proposal is given for excavation of mineral only.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	70,000 MT in the year 2018-19	55,000 MT	Production of ore is less than proposed reportedly due to less market demand of the mineral.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	By deploying small excavator & tipper

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No	No	
3j	Provision of drilling and blasting in mineral benches	Jack Hammer Drilling & Blasting with 25 mm dia	Jack Hammer Drilling & Blasting with 25 mm dia	
3k	Provision of mining machineries in mineral benches	By deploying small excavator & tipper	small excavator & tipper deployed	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	03 m height of benches proposed in mineral	About 05 m height of benches maintained	Seeing the hard and stable strata, modification of Mining Plan carried out and approved on 27.01.2020, having proposal of 05 m bench heights.
3m	Total area covered under excavation/pits	2.054 Ha. For 05 years plan period	Up till now : 1.920 ha.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.00	1:0.00	
3o	Total area put in use under different heads at the end of year	2.147 Ha. For 05 years plan period	Up till now : 1.95 ha.	
3p	Production of ROM mineral during the last five year period as applicable	2014-15 - 70,000 MT 2015-16 - 70,000 MT 2016-17 - 70,000 MT 2017-18 - 70,000 MT 2018-19 - 70,000 MT	2014-15 -37,000 MT 2015-16 -70,000 MT 2016-17 -70,000 MT 2017-18 -70,000 MT 2018-19 -55,000 MT	ROM figure is mentioned as per latest MMP approved on 27.01.2020 and Annual Return submitted.
3q	General remarks of inspecting officers on method of mining etc.		Small scale Open Cast mining being carried out with Jack Hammer drilling & blasting.	

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not Applicable	Not Applicable	There are no dumps of Topsoil, OB & Mineral Rejects and also not proposed.
4b	Location of topsoil, OB and mineral reject dumps	Not Applicable	Not Applicable	
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Applicable	Not Applicable	
4e	Number of active and alive dumps.	Not Applicable	Not Applicable	
4f	Number of dead dumps.	Not Applicable	Not Applicable	
4g	Number of dumps established.	Not Applicable	Not Applicable	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Applicable	Not Applicable	
4i	Length of Retaining wall or garland drain all along dumps	Not Applicable	Not Applicable	
4j	Number of settling ponds	Not Applicable	Not Applicable	
4k	Specific comments of inspecting officer on waste dump management		No proposal for development/ waste removal is given in approved MMP as Entire lease area is mineralized. Hence, proposal is given for excavation of mineral only.	

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.	Not Applicable	Not Applicable	No part of the Lease Area has exhausted/ matured for backfilling.
5b	Area under backfilling of mined out area	Not Applicable	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Applicable	Not Applicable	
5d	Total area fully reclaimed and rehabilitated	Not Applicable	Not Applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mineral has not been exhausted from any part of the lease, hence backfilling/ reclamation has not envisaged.

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).		submitted	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6f	Any other method of rehabilitation	Nil	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Nil	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Nil	Nil	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Nil	Nil	50 Plants [Outside Lease Area], Since, ML area is very small and there is no non-mineralized area available in the Mining Lease held, so, afforestation carried out, outside in the adjoining area
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Nil	Nil	

6p	Compliance of environmental monitoring (core zone and buffer zone)	yes	Monitoring being done regularly
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Mineral has not exhausted from any part of the pit, hence backfilling/ reclamation and PMCP by R&R has not been envisaged.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM / grade Wise despatch after size reduction	ROM & grade Wise being Despatched after size reduction	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines.	Cement & BF Grade	Cement & BF Grade	
7d	Any beneficiation process at mines	One Crusher	One Crusher is installed.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		ROM/grade Wise mineral being despatched after dry Crushing as per requirement. 100% ROM reported being dispatched as ore after crushing.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Applicable	Not Applicable	Topsoil is not available in the ML area, So its removal has not proposed.

8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Applicable	Not Applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Applicable	Not Applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 No.'s plantation to be carried out in 2018-19 outside the Lease area	50 No.'s plantation carried out in 2018-19 outside the Lease area. Cumulative plantation done of about 450 nos.	Since there is no non-mineralized area in the Mining Lease held, afforestation is carried out, outside in the adjoining area
8g	Survival rate		60%	
8h	Water sprinkling on roads to control airborne dust	Provision of Water Taker	Water sprinkling being carried out on regular Basis	Water Tankers are provided for water sprinkling on the haulage roads.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Aesthetic beauty in and around mines area appears to be good.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		MR Submitted upto = Nov-2019 AR Submitted upto = 2018-19	Submitted regularly

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mine Manager Mining Engineer in charge Shri Arjun H. Kolachi, Geologist in charge Shri Yogesh M.Kutre	Mine Manager Mining Engineer in charge Shri Arjun H. Kolachi, Geologist in charge Shri Yogesh M.Kutre	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		furnished	
9d	Scrutiny of Annual return on afforestation	50 Nos.	50 Nos. with 60% survival rate	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	graded ore stock of Limestone: BF: 2711.125 te, Cement : 10691.240 te	graded ore stock of Limestone: BF: 2711.125 te, Cement : 10691.240 te	As per submitted Annual Return of the year 2018-19
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine price Limestone: BF: 584 Rs/te, Cement :383 Rs./te; production cost :237 Rs/te	Ex. Mine price Limestone: BF: 584 Rs/te, Cement :383 Rs./te; production cost :237 Rs/te	As per submitted Annual Return of the year 2018-19
9h	Scrutiny of Annual return on fixed assets	(in Rs) 275000	furnished	
9k	Scrutiny of Annual return on mining machineries		furnished	

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 :

(PREM PRAKASH)

Indian Bureau of Mines