

- 1.(a) Mine Name : Naganapur Limestone and Dolomite mine (M.L.No-2425)
 (b) Category : Manual.
 (c) Type of Working: Opencast Mine code:
 (i) Name of the Inspecting Officer and ID No: K02, Kalmata.M.K.
 (ii) Designation: Senior Mining Geologist.
 (iii) Accompanying mine Official with Designation: Shri Balikai, Mine mate.
 (iv) Date of Inspection: 25.05.2017(A/N)
 (v) Previous inspection date: 04.06.2014 (MCDR)
 (vi) First opening date: 01.01.2004

PART-I: GENERAL INFORMATION

(d) Postal address of mine

Address	FAX No	E-mail	Phone	Mobile No
Naganapur village, Lokapur (p), Mudhol Tq, Bagalkot-District-587122	Nil	virakthmath@gmail.com		09448316697

State	District	Taluka	Village	Post office	Pin Code	Police Station	Landmark
Karnataka	Bagalkot	Mudhol	Naganapur	Lokapur	587122	Lokapur	

2. Postal Address for correspondence, if different:

3. Lease details

Lease Number	Lease area	Forest / Non-forest area	Period of lease	Date of Expiry	Status (Fresh Grant / renewal / deemed renewal)
M.L.No-2425	2.78Ha	Non-forest	50 years	28.09.2053 As per Amended MMDR Act-2015.(letter of extension is not issued by State Government)	Fresh grant

4. Mineral worked

Mineral worked	Main mineral	Associated mineral	New mineral discovered
Limestone	Limestone	Dolomite	NA

5A. Name and Address of the Lessee:

Name and Address	FAX No	E-mail	Phone	Mobile
Smt. Rajeshwari M. Viraktamath, Post- Lokapur, Mudhol-Tq, Bagalkot-District-587122	Nil	virakthmath@gmail.com		09448316697

5B. Name and address of Owner:

Name and Address of Owner	Date of nomination	FAX No	E-mail	Phone	Mobile
NA	NA	NA	NA	NA	NA

5C. Name and address of Agent:

Name and Address of Agent	Date of appointment	FAX No	E-mail	Phone	Mobile
Nil	Nil	Nil	Nil	Nil	Nil

5D. Name and address of Mining Engineer:

Name and Address of Mining engineer (Full time/part	Date of appointment	Qualification and experience in years	FAX No	E-mail	Phone	Mobile

time- then No of mines covered)						
	Nil	Nil	Nil	Nil	Nil	Nil

5E. Name and address of Geologist:

Name and Address of Geologist	Date of appointment	Qualification and experience in years	FAX No	E-mail	Phone	Mobile
Nil	Nil	Nil	Nil	Nil	Nil	Nil

6. Letter Number and Date of approval of Mining Plan and Scheme of Mining:- **MSH/MAN-264(KNT)/GOA/2013-14, dated: 07.11.2013.**

1. Details about Average employment:

Maximum number of persons employed on any day during the year: 2016-17

Employment category	DIRECT /CONTRACT	No of employment	Av. yearly working days
Managerial	Nil	Nil	Nil
Supervisory	DIRECT	01	---
Workers	DIRECT	05	---
Ministrial	Nil	Nil	Nil
Plant	Nil	Nil	Nil
Others	Direct	01	Nil

2. Community Development Plan (in and around the mines): Proposed action and expenditure towards socio-economic development.

Action during the year	Proposed	Expenditure in Rs. Lakhs for previous year Incurred	Proposed	Expenditure in Rs. Lakhs for current year Incurred	Remarks
Health	Nil	Nil	Nil	Nil	Rs 1.0 lakh is given for school (Basaveshwara High School) for construction of toilets and to provide drinking water.
Housing	Nil	Nil	Nil	Nil	
Medical facility	Nil	Nil	Nil	Nil	
Safety	Nil	Nil	Nil	Nil	
Sanitation	Nil	Nil	Nil	Nil	
Water supply	Nil	Nil	Nil	Nil	
Communication	Nil	Nil	Nil	Nil	
Electricity	Nil	Nil	Nil	Nil	
Public transport	Nil	Nil	Nil	Nil	
Roads	Nil	Nil	Nil	Nil	
Employment	Nil	Nil	Nil	Nil	
Environment management	Nil	Nil	Nil	Nil	
Others	Nil	1.00	Nil	Nil	
Recreation	Nil	Nil	Nil	Nil	
Sports activities	Nil	Nil	Nil	Nil	
Training	Nil	Nil	Nil	Nil	

PART-II				
Exploration :				
Sl. No.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Lessee has proposed three boreholes (DTH) in the plan period	Lessee has not started exploration work so far.	Lessee is planning to drill boreholes in the year 2017-18. Five year plan period is from 2013-14 to 2017-18.
1b	Exploration over lease area for geological axis 1 or 2	Three DTH boreholes proposed in the plan period.	No exploration work has been taken so far.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	1.5Ha	Nil	
1e	Balance reserves as on 01/04/2017		Limestone Reserve as on 01.04.2017 is as follows. Proved Mineral Reserves(111)- 215330 tons, Inferred Mineral Resources (333)- 72618 tons.	
1f	General remarks of inspecting officers on geology, exploration etc.		The exploration proposals are not made in the regular grid pattern. So lessee was advised to modify the exploration proposals as per the MEMC rules 2015.	
Development :				
Sl. No.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	In the year 2016-17 there was a proposal to work between the sections B-B' and C-C'.	Working has been carried out as per the proposal.	
2b	Separate benches in topsoil, overburden and minerals (Rule-15)	In the year 2016-17 there was a proposal to develop only one bench.	In the the year 2016-17 working has been carried out in only one bench and in ore.	Total two benches were developed and both are in ore only.
2c	Stripping ratio of ore to OB ratio	1:0.05	1:0.03	Recover percentage was more than the proposal and hence stripping ration is reduced.
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden	200	110	

	generation in m3			
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.		The benches were maintained as per the proposal in the limestone formation. Working has been carried out along the strike direction.	
Exploitation :				
Sl. No.	Item	Proposals	Actual Work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	10000 tons limestone in the year 2016-17	10000 tons limestone in the year 2016-17.	
3c	Recovery of saleable / usable mineral from ROM production	95%	97%	Recovery of saleable mineral was more than the proposal.
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Threshold value for limestone Karnataka is Cao minimum 35% Cao.	Threshold value for limestone of Karnataka is Cao minimum 35% . The ore which is produced is above the threshold value and saleable.	
3f	Quantity of subgrade mineral generation.	Nil	Nil	
3g	Grade of subgrade mineral generation.	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	Only size segregation will be done.
3i	Any analysis or beneficiation study proposed and carried out for subgrade mineral and rejects	Nil	Nil	
3j	Provision of drilling and blasting in mineral benches	It was proposed to drill by jach hammer and blasting by using slurry and ANFO.	Lessee is carrying out drilling and blasting as per the proposal.	
3k	Provision of mining machineries in mineral benches	Nil	Nil	working manually.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3mtr height was proposed.	Bench height was maintained at 3 to 3.5 mtr.	
3m	Total area covered under excavation / pits	0.15ha in the year 2016-17 for limestone.	0.14 ha in the year 2016-17 for limestone.	Total area covered under pit for lime stone is 0.85ha and Total pit area including dolomite is around 1.6Ha.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.05	1:0.03	
3o	Total area put in use under different heads at the end of year		Area under Mining 1.6Ha (for both limestone and dolomite), Waste dump-0.25ha, Roads 0.05ha.	

3p	Production of ROM mineral during the last five year period as applicable	Proposed production of limestone during last five years. 2016-17-10000 tons , 2015-16-10000 tons, 2014-15-10000tons 2013-14 10000 tons 2012-13-5000 tons.	Limestone produced during last five years. 2016-17-10000 tons, 2015-16-4000 tons, 2014-15-4500 tons, 2013-14-Nil and 2012-13-5000 tons.	
3q	General remarks of inspecting officers on method of mining etc.		The mine is operating manually and benches were formed along the strike.	
Solid Waste Management - Dumping :				
Sl. No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32, 33)	Only waste dump was proposed.	Waste was dumped separately as per the proposal.	No topsoil and mineral rejection generation was there in the present plan period.
4b	Location of topsoil, OB and mineral reject dumps	Waste dumping was proposed in the southern part of the lease area.	Dumping was almost made as per the proposal.	Since the production was less in the year 2014-15 and 2016-16, the waste generation was also less. So the area covered under dumping was lesser than the proposal.
4c	Number of dumps within lease area and outside of lease area	one	one	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	Outside the UPL	
4e	Number of active and alive dumps.	One	One	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	One	One	
4h	Whether retaining wall or garland drain all along dumps are there.	One parapet wall proposed	Parapet wall constructed between pillar No-1 and 2.	Quantity of dump was very less and height also less than one mtr so parapet wall was constructed in the 7.5 mtrs safety zone between BP-1 and BP-2.
4i	Length of retaining wall or garland drain all along dumps.	131 mtrs parapet wall	70 mtr.	
4j	Number of settling ponds	Nil	Nil	

4k	Specific comments of inspecting officers on waste dump management.		Due to less production in the year 2014-15 and 2015-16 the generation of waste was very less. Dumping was made as per the proposal.	
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Solid Waste Management - Backfilling :

Sl. No.	Item	Proposals	Actual Work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling	Nil	Nil	No proposals for backfilling in the present plan period. Mining is not reached upto proved depth .
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 and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Since the mining is not reached upto the proved depth no proposals were made for backfilling in the present plan period.	

Progressive Mine Closure Plan :

Sl. No.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 26(2)	Before 1 st July of every year.	Annual report on PMCP is not submitted for the year 2015-16.	Violation is pointedout for the same.
6b	Area available for rehabilitation (ha)	Nil	Nil	
6c	Afforestation done (ha)	0.005ha.	0.03Ha	
6d	No. of saplings planted during the year	50	200	
6e	Cumulative no. of plants		700	including plantation outside the lease area. Near mine office.
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year			
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (LxBxD)	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	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	Nil	
6o	Compliance of rehabilitation of waste land within lease (ii) Method of rehabilitation	Nil	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)		The lessee is conducting environment monitoring test for air, water and noise and all are within permissible limit.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		The lessee has not submitted yearly report on PMCP for the year 2015-16 and violation is pointed out for the same. The mine is operating manually and generation of dust is negligible. Lessee is conducting environmental monitoring and all are within permissible limit.	

Mineral Conservation :

Sl. No.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or gradewise sorting within lease area			
7b	Method of gradewise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Nil	Nil	Lessee is saleing all the ore by blending.
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officers on mineral conservation and beneficiation issues.		Lessee is using all the ore by blending lowgrade ore with highgrade ore. As per the buyors specification.	

Environment :

Sl. No.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	It was proposed to dump OB in the southern part of the lease area.	OB has been dumped as per the proposal.	
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 land affected by mining operations (pits, dumps etc.)	Nil	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		Lessee has planted 200 plants in the year 2016-17. and cumulative plantation so far is about 700 plants.	
8g	Survival rate		50%	
8h	Water sprinkling on roads to control airborne dust	Nil	Nil	Since the mine is operating manually the dust generation will be negligible.
8i	General remarks of inspecting officers on aesthetic beauty in and around mine areas.		Lessee has made the benches systematically as per the proposal and plantation was made in the 7.5mtr safety zone and near mine office outside the lease area.	

Compliance of Rule 45 :

Sl. No.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of monthly and annual returns		Annual Returns not submitted for the year 2014-15 and 2015-16.	Violation is pointed out for the same.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Annual Returns not submitted for the year 2014-15 and 2015-16.	No Mining Engineer and Geologist is appointed by the lessee.	Violation is pointed out for the same.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Annual Returns not submitted for the year 2014-15 and 2015-16.	Pit-1.6ha (including dolomite), waste dump- 0.25Ha and Roads and others 0.05Ha.	
9d	Scrutiny of Annual return on afforestation	Annual Returns not submitted for the year 2014-15 and 2015-16.	Lessee has planted 200 plants in the year 2016-17.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Annual Returns not submitted for the year 2014-15 and 2015-16.	No mineral reject generated.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Annual Returns not submitted for the year 2014-15 and 2015-16.	
9g	Scrutiny of Annual return on Sale value, Ex Mine price and production cost		Annual Returns not submitted for the year 2014-15 and 2015-16.	
9h	Scrutiny of Annual return on fixed assets		Annual Returns not submitted for the year 2014-15 and 2015-16.	
9k	Scrutiny of Annual return on mining machineries	Annual Returns not submitted for the year 2014-15 and 2015-16.	Mine is operating by manual method.	

Details of violations observed during current inspection and compliance position of violation pointed out.

Violation observed.

Rule No	Issued on
26(2)	05.06.2017
32	05.06.2017
45(5)(c)	05.06.2017
46(b)	05.06.2017
55(3)(iii)(iv)	05.06.2017
67	05.06.2017

Date:-

Kalmata.M.K.
Senior Mining Geologist