

- 1.(a) Mine Name : Kalasakoppa Limestone and Dolomite mine (M.L.No-2360)  
 (b) Category : B Manual.  
 (c) Type of Working: Opencast Mine code: 38KAR26024  
 (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 G.S. Horatti,  
 (iv) Date of Inspection: 24.05.2017(A/N)  
 (v) Previous inspection date: 05.03.2014 (MCDR)  
 (vi) First opening date:

PART-I: GENERAL INFORMATION

(d) Postal address of mine

Address	FAX No	E-mail	Phone	Mobile No
Kalasakoppa Limestone mine, Village-Kalasakoppa, PO_Chikkashelikere, Bagalkot Dist-587101		gshoratti@gmail.com	---	09945950358

State	District	Taluka	Village	Post office	Pin Code	Police Station	Landmark
Karnataka	Bagalkot	Mudhol	Kalasakoppa	Lokapur	587101	Kaladagi	

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-2360	4.85ha	Non-forest		02.07.2052 As per Amended MMDR Act-2015.	Fresh grant

4. Mineral worked

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

5A. Name and Address of the Lessee:

Name and Address	FAX No	E-mail	Phone	Mobile
G.S.Horatti, PO-Chikkashelikere, Bagalkot-Tq and District, Karnataka-587101.	Nil	gshoratti@gmail.com	----	09945950358

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 time- then No of mines covered)	Date of appointment	Qualification and experience in years	FAX No	E-mail	Phone	Mobile
	Nil	Nil	Nil	Nil	Nil	Nil

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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-244(KNT)/GOA/2012-13, dated:08.10.2012.**

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	303
Workers	CONTRACT	06	303
Ministrial	Nil	Nil	Nil
Plant	Nil	Nil	Nil
Others			

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	Mine was not working upto 03.06.2015. In the year 2016-17, Rs-15000 given for school repair work and 10 for sports during jatra.
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	0.10	Nil	Nil	
Recreation	Nil	0.15	Nil	Nil	
Sports activities	Nil	Nil	Nil	Nil	
Training	Nil	Nil	Nil	Nil	

**PART-II****Exploration :**

<b>Sl.No.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual Work</b>	<b>Remarks</b>
1a	Backlog of previous year	There was a proposal to drill four boreholes in the year 2013-14.	Lessee has drilled six boreholes in the year 2015-16.	
1b	Exploration over lease area for geological axis 1 or 2	Entire lease area was proposed to explore under G-1 level of exploration.	Entire area is explored under G-1 level of exploration by putting 6 core holes.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		Exploration is carried out by lessee himself and total expenditure incurred is around 3.5 lakhs.	
1d	Balance area to be explored to bring Geological axis in 1 or 2		Entire area is explored under G-1 level of exploration by putting 6 core holes.	During field inspection it was observed that waste was encountered in between the section where boreholes are not there. So lessee was advised to put few boreholes to know the continuity of waste band and quality of ore.

1e	Balance reserves as on 01/04/2017		Quantity in tonnes, Proved Reserves (111)-292033 Pre-feasibility resources(222)-59,462, Measured Mineral resources(331)-81284 and Indicated mineral resources(332)-284067	
1f	General remarks of inspecting officers on geology, exploration etc.	Entire lease area was proposed to explore under G-1 level of exploration.	Entire area is explored under G-1 level of exploration by putting 6 core holes. Further lessee has advised to put few more boreholes to know the behaviour of waste and quality of ore.	

**Development :**

Sl.No.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	In the year 2016-17 it was proposed to work between co-ordinates 50N to 140N and 210E to 335E.	working has been not carried out as per the proposal. Additional to proposed area lessee has carried out working b/w N-180 to N-210 and E-120E to 200E.	Violation is pointed out for the same.
2b	Separate benches in topsoil, overburden and minerals (Rule-15)	Two benches were proposed in ore.	Two benches were developed in ore and in pit no-2 and two benches in pit no-1.	There was no proposal in the pit no 1 and violation is pointed out for the same.
2c	Stripping ratio of ore to OB ratio	1:0.09	1:0.2	The stripping ratio varies due to sudden appearance of waste in between the sections where no boreholes are there.
2d	Quantity of topsoil generation in m <sup>3</sup>	1400		
2e	Quantity of overburden generation in m <sup>3</sup>	1235	2500	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.	It was propose to work in one pit.	During inspection it was observed that working has been carriedout in two pits where there was no such proposal in the approved scheme of mining.	Violation is pointedout for the same.
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**Exploitation :**

Sl.No.	Item	Proposals	Actual Work	Remarks
3a	Number of pit proposed for production	One	Two	Violation is pointedout for the same.
3b	Quantity of ROM mineral production proposed	25000 tons of limestone in the year 2016-17	24990 tons of limestone is produced during 2016-17.	
3c	Recovery of saleable / usable mineral from ROM production	90%	95%	
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 mininum 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	
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	Drilling by jackhammer and blasting by using slurry explosive.	Drilling and Blasting is going on as per the proposals.	

3k	Provision of mining machineries in mineral benches	No machineries the mine is working by manual method.	mine is working manually.	Only tractor mounted compressor is using for drilling.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3mtr bench height was proposed.	Top bench height was kept at 3.5mts to 4.00mts	Lessee was advised to keep the benches as per the proposal.
3m	Total area covered under excavation / pits		0.75ha	Total area covered under excavation is 0.89Ha.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.09	1:0.2	
3o	Total area put in use under different heads at the end of year		Mining-0.89 Ha and remaining is virgin area.	
3p	Production of ROM mineral during the last five year period as applicable	It was proposed to produce 25000/ annum from 2012-13 to 2016-17.	No production from 2012-13 to 2014-15 and in 2015-16 production was 7200 tons and in 2016-17- 24990 tons.	Mine was not working and suspended on 22.09.2014 for non compliance of MCDR violations and suspension was revoked on 03.06.2015 after compliance of violations of MCDR 1988.
3q	General remarks of inspecting officers on method of mining etc.		The mine working has been not carried out as per the proposal and violation is pointed out for the same. The mine was not working and suspended upto 03.06.2015, so no production was reported from 2012-13 to 2014-15.	

**Solid Waste Management - Dumping :**

Sl.No.	Item	Proposals	Actual Work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32, 33)	It was proposed to use the topsoil for bund formation and OB temporary stacking and utilize for road work.	Top soil was stacked separately for plantation work and some quantity of waste was used for road work and remaining is taken by railway department for construction of new line.	Paid royalty to State government for taking waste from the lease area.
4b	Location of topsoil, OB and mineral reject dumps	It was proposed to use the topsoil for bund formation and OB temporary stacking near pillar no-2.	Topsoil was stacked separately in the western part of the lease area b/w coordinates N-150 to N180 and E-100 to E-130. No OB dump was formed.	No Ob dump was formed the waste generated is used for road work and remaining quantity was taken by railways for construction of new line near lease area by paying royalty to the State Government.
4c	Number of dumps within lease area and outside of lease area	One	Nil	No dump was formed since waste was taken by railways for construction of new line near to lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL near BP-2	No waste dump was formed.	waste was taken by railways for construction of new line near lease area.
4e	Number of active and alive dumps.	One	Nil	No waste dump is formed.
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	One	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 dumps.	Nil	Nil	

4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officers on waste dump management.		Topsoil removed was stacked separately for plantation purpose and waste generated was taken by railways for construction of new line near lease area by paying royalty to state government.	

**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		Ore is proved upto 30 mtrs depth and it is still continued. Present working reached only 6 to 7mtrs depth, so no backfilling proposals in the present plan period.	
5b	Area under backfilling of mined out area	Nil	Nil	Mining is not reached to proved depth.
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.		The mining is not reached to a proved depth and hence no proposals were made for reclamation/rehabilitation.	

**Progressive Mine Closure Plan :**

Sl.No.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23E(2)		Annual report on PMCP is not submitted for the year 2015-16.	Violation is pointedout for the same under Rule 26(2) of MCDR 2017.



6b	Area available for rehabilitation (ha)	Nil	Nil	
6c	Afforestation done (ha)	0.16ha	Nil	Violation is pointedout for the same under Rule 11(1) of MCDR 2017.
6d	No. of saplings planted during the year	It was proposed to plant 328 saplings in the year 2016-17.	Nil	Violation is pointedout for the same under Rule 11(1) of MCDR 2017.
6e	Cumulative no. of plants	1640	Nil	Mine was not working upto 03.06.2015.
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	Nil	Nil	
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 mine is operating manually and environmental monitoring is not carried out for the year 2016-17.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		The mine was not working upto 03.06.2015 and no plantation was made as per the proposal and annual report on PMCP is also not submitted for the year 2015-16 so violation is pointed out for the same.	

**Mineral Conservation :**

Sl.No.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or gradewise sorting within lease area		About 18628 tons of ore was despatched in the year 2016-17.	
7b	Method of gradewise 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 officers on mineral conservation and beneficiation issues.		Lessee is not doing any beneficiation. Sizing will be done manually.	

**Environment :**

Sl.No.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	It was proposed to remove 2954 tons of topsoil in the year 2016-17.	About 1000 tons of top soil is removed and stacked separately for plantation purpose.	

8b	Concurrent use or storage of topsoil		Topsoil was is stacked separately which can be utilized for plantation within the lease area.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	It was propose to dump waste near pillar no 2.	No waste dump was formed.	The waste generated was taken by railways for construction of new line near lease area by paying royalty to the State government.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use		Nil	The waste generated was taken by railways for construction of new line near lease area by paying royalty to the State government.
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)	Nil	Nil	No plantation was made and violation was pointedout for the same.
8g	Survival rate		Nil	No plantation was made and violation is pointedout for the same.
8h	Water sprinkling on roads to control airborne dust	Nil	Nil	

8i	General remarks of inspecting officers on aesthetic beauty in and around mine areas.		benches were not maintained properly and no plantation was made as per the proposal.	Lessee was advised to keep the benches as per the proposal and violation is pointed out for not doing plantation.
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**Compliance of Rule 45 :**

Sl.No.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of monthly and annual returns		Annual Return not submitted for the year 2015-16.	Violation is pointed out for the same.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Annual Return not submitted for the year 2015-16. and information was provided in the previous returns.	No Mining engineer and Geologist was appointed by the lessee and violation is pointed out for the same.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		No Annual return is submitted for the year 2015-16.	Violation is pointed out for the same.
9d	Scrutiny of Annual return on afforestation		No Annual return is submitted for the year 2015-16.	Violation is pointed out for the same.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		No Annual return is submitted for the year 2015-16.	Violation is pointed out for the same.
9f	Scrutiny of Annual return on ROM stock and/or graded ore		No Annual return is submitted for the year 2015-16.	Violation is pointed out for the same.
9g	Scrutiny of Annual return on Sale value, Ex Mine price and production cost		No Annual return is submitted for the year 2015-16.	Violation is pointed out for the same.
9h	Scrutiny of Annual return on fixed assets		No Annual return is submitted for the year 2015-16.	Violation is pointed out for the same.
9k	Scrutiny of Annual return on mining machineries		No Annual return is submitted for the year 2015-16.	Violation is pointed out for the same.

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

Violation observed.

Rule No	Issued on
11(1)	02.06.2017
11(4)	02.06.2017
26(2)	02.06.2017
45(5)(c)	02.06.2017
55(3)(iii)(iv)	02.06.2017
67	02.06.2017

Date:-

Kalmata.M.K.  
Senior Mining Geologist