INDIAN BUREAU OF MINES
MINERALS DEVELOPMEMT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Goa regional office

Mine file No : KNT/BJP/LST-67/GOA **Mine code : 38KAR26049**

(i) Name of the Inspecting Officer and ID No. : **KQ3) G. S. KANNAN**

(ii) Designation : Junior Mining Geologist

(iii) Accompaning mine Official with Designation : Dr.A.Hugar, Lessee,s Son

(iv) Date of Inspection : 06/06/2016

(v) Prev.inspection date : 29/05/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NAGANPUR(ML2400)**

(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 :
Pin Code :
FAX No. : 08350-240158
E-mail : praveenhugar82@gmail.com
Phone : 08350-340087, 9980730797(M

(f) Police Station : Lokapur

(g) First opening date : 11/06/2003

(h) Weekly day of rest : TUE

2. Address for correspondance : M/s Shri Annadanesh Mines, Near Jaineswar Math
Po-Lokapur-587122
Tq-Mudhol, Dist-Bagalkot

3. (a) Lease Number : KAR1358
(b) Lease area : 2.95
(c) Period of lease : 20
(d) Date of Expiry : 22/05/2023

4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : GURUNATH B. HUGAR
NEAR JAINESWAR MATH P.O.
LOKAOUR TALUKA-MUDHOL
BAGALKOT KARNATAKA
Phone:
FAX :

Owner : GURUNATH B.HUGAR
SHRI ANNADANESH MINES NEAR
JAINESWAR MATH PO-LOKAPUR,
TQ-MUDHOL BAGALKOT
KARNATAKA
Phone: 08350-240087
FAX :

6. Date of approval of Mining Plan/Scheme of Mining	:	Fresh under rule 22 MCR1960	26/03/2003
		Modif.of approved Mining Plan	05/12/2005
		Mining Scheme rule 12 MCDR1988	17/03/2010
		Mining Scheme rule 12 MCDR1988	08/08/2013

PART – II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Proposals:- Boreholes-7 Nos, Shifting Dump, Contruction of Retaining wall, Settling Tank	Boreholes has been driiled and other proposals are pending	
1b	Exploration over lease area for geological axis 1 or 2	Geological Axis-1	Geological Axis-1	Core boreholes has been drilled during 2015-2016
1c	Exploration Agencies and Expenditure in lakh rupees during the year	10 Lakhs	8.5 Lakhs	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Entire area is covered by 100m grid	In future it mayreduse to 20m grid
1e	Balance reserve as on 01/04/20	Proved Mineral Reserves = 66081 Tons Probable Mineral Reserves = 369870 Tons Inferred Mineral Resorces = 606263 Tons	Proved Mineral Reserves = 58078 Tons Probable Mineral Reserves = 469564 Tons Inferred Mineral Resorces = 606263 Tons	Incremental Reserves is not updated
1f	General remarks of inspecting officers on geology, exploration etc	Borehole Drilled at 100m grid intervals	Entire Lease is having same Geology and Mineralogy changes from PLaces to places. Hence Borehole has to be drilled in Closed intervals	

Development :

Sl.No.	Item	Propasals	Actual work	Remarks

2a	Location of development w.r.t.lease area	Development is only Top soil i.e, on western side of Lease Boundary	Development is as per proposed area	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There is no proposal for separate benches	There is no separate benches for top soil.	Topsoil is less than 0.50 thickness, so there is no seperate benches
2c	Stripping ratio or ore to OB ratio	1 : 0.089	1 : 0.089	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Intercalated waste = 4236 tons	Intercalated waste = 4000 tons	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Nil	Basic Filed Observation are 0.1 to 0.5m Topsoil, Murram and clay also found simultaneously on the Pit	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single Pit	Single Pit	
3b	Quantity of ROM mineral production proposed	47655 Tons	30000 Tons	
3c	Recovery of sailable/usable mineral from ROM production	90%	90%	
3d	Quantity of mineral reject generation	Nil	Nil	

3e	Grade of mineral rejects generation and threshold value declared.	There is No Mineral Rejects	Nil
3f	Quantity of sub grade mineral generation.	No Sub Grade Mineral is Generated	Nil
3g	Grade of sub grade mineral generation	There is no Proposal for Sub Grade Mineral Generation	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Manual Method	Manual Method
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Beneficiation study is carried out	Nil
3j	Provision of drilling and blasting in mineral benches	Spacing-0.90m Burden-0.80m Depth-1.50m	Spacing-0.90m Burden-0.80m Depth-1.50m
3k	Provision of mining machineries in mineral benches	Manual Loading	Manual Loading
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height & Width - 3m	Height -5 to 6m
3m	Total area covered under excavation/pits	1.53 hect	1.50 Hect
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.089	1 : 0.089

3o	Total area put in use under different heads at the end of year	Mining Area - 1.53 hect Dumping - 0.10 hect Mineral Storage - 0.20 hect Office - 0.004 hect Roads - 0.060 hect Afforestation - 0.30 hect	Mining Area - 1.50 hect Mineral Storage - 0.20 hect Office - 0.004 hect Roads - 0.060 hect Afforestation - 0.10 hect
3p	Production of ROM mineral during the last five year period as applicable	2015-2016 = 47655 tons 2014-2015 = 49896 tons 2013-2014 = 49997 tons 2012-2013 = 26000 tons 2011-2012 = 26000 tons	2015-2016 = 30000 tons 2014-2015 = 22000 tons 2013-2014 = 6900 tons 2012-2013 = 23155 tons 2011-2012 = 9137 tons
3q	General remarks of inspecting officers on method of mining etc.	Manual Working	Manual Working

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed for Intercalated waste	No dump is present	
4b	Location of topsoil, OB and mineral reject dumps	Northern Side of the Lease area	Nil	
4c	Number of dumps within lease area and outside of lease area	One Dump is proposed within Leasea area	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Northern Side of the Lease area	Nil	

4e	Number of active and alive dumps.	Single	Nil
4f	Number of dead dumps.	Nil	Nil
4g	Number of dumps established.	Single	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Nil
4i	Length of Retaining wall or garland drain all along dumps	Retaining Wall = 12m Garland Drainage = 15m	Nil
4j	Number of settling ponds	Single, 5m x 5m x 3m	Nil
4k	Specific comments of inspecting officer on waste dump management	Nil	Nil

Solid Waste Management – Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Backfill the Mined out area is 7.5m Safety barriers.	Nil	
5b	Area under backfilling of mined out area	0.50 Hect	0.15 Hect	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Topsoil removed seperately and spreadout on safety Zone for plantation	Done as per Proposal	
5d	Total area fully reclaimed and rehabilitated	0.50 hect	0.15 hect	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	Nil	Nil

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).	To be submitted before 30th July of Every Year	Not Submitted for 2014-2015 & 2015-2016	
6b	Area available for rehabilitation (ha) .	0.50 Hect	0.15 hect	
6c	afforestation done (ha).	0.30 hect	0.10 hect	
6d	No. of saplings planted during the year	100 Saplings	Nil	
6e	Cumulative no .of plants	1120 Plants	1050 Plants	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	1.5 Lakhs	1.00 Lakhs	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	80m x 7.5m x 8m	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	0.30 hect	0.10 hect
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	0.30 hect	0.10 hect
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.30 hect	0.10 hect
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)	Quartly Environmental Monitoring proposal	Quartly Environmental Monitoring is done by private consultant

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil	Nil	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	47655 Tons	30000 Tons	
7b	Method of grade-wise 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.	Manually Sorting & sizing is proposed	Manually Sorting & sizing is done	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Nil	Nil	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There is proposal for seperately remove and utilised of Top Soil	There is little soil cover, seperatley reomove and utilizated.	

8b	Concurrent use or storage of topsoil	Concurrent use of Top soil	Concurrent use of Top soil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	One dump proposed for intercalated waste	Nil
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 lands affected by mining operations (Pits, dumps etc)	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	100 Sapling /year	Nil
8g	Survival rate	80 %	60 %
8h	Water sprinkling on roads to control airborne dust	Water tanker is proposed	water sprinking daily by water tanker
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil	Plain and Rockly Terrain

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks

9a	Status of submission of Monthly and Annual returns	Submitted	Submitted within the time limit
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No Mining Engineer, Geologist	Only Minesforman is working as Mines Manager
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details is not Given	It is advice to fill the Land details under different heads
9d	Scrutiny of Annual return on afforestation	50 Nos	During Inspection 100 Nos of Plantation has been informed
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	There is no Mineral rejection
9f	Scrutiny of Annual return on ROM stock and/or graded ore	4500 tons	Production figure is mismatching
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs.265/- tons	split up is matching
9h	Scrutiny of Annual return on fixed assets	Not given	It is recommended to give fixed assets value on coming AR
9k	Scrutiny of Annual return on mining machineries	Details Given	as available in field

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
Rule 13(1)	27/06/2016		Rule 13(1)	27/06/2016	
Rule 23E(2)	27/06/2016		Rule 23E(2)	27/06/2016	
Rule 27(4)	27/06/2016		Rule 27(4)	27/06/2016	
Rule 42(1)(b)(ii)	27/06/2016		Rule 42(1)(b)(ii	27/06/2016	
Rule 47	27/06/2016		Rule 47	27/06/2016	
Rule 63	27/06/2016		Rule 63	27/06/2016	

Date :

(**G. S. KANNAN**)

Indian Bureau of Mines