

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

Review and updation of Mining Plan REPORT

Bangalore regional office

Mine file No : KNT/TMK/FE/26/BNG

Mine code : 30KAR19026

- (i) Name of the Inspecting : **P005**) **C.PARAMESHWARAN**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : K.RAMANI, DGM (MINES)
Official with
Designation
- (iv) Date of Inspection : 16/03/2018
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SONDENAHALLI ML 2175**
- (b) **Registration NO.** : **IBM/28/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
State : KARNATAKA
District : TUMKUR
Village : SONDENAHALLI
Taluka : C.N.HALLI
Post office : SONDENAHALLI
Pin Code :
FAX No. : 080-25593065 (F)
E-mail : cnhtml@vmsalgaocar.com
Phone : 080-25594970, vmsbbglr@vms:
- (f) Police Station : C.N.HALLI
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for : R.SUBRAMANIAN NOMINATD OWNER TUMKUR MINERALS P L
correspondance : RAMANASHREE CAMBERS , 102, Ist FLOOR, # 37,
LADY CURZON ROAD, BANGALORE. 560001.
3. (a) Lease Number : KAR0497
- (b) Lease area : 64.74
- (c) Period of lease : 20
- (d) Date of Expiry : 10/11/2013
4. Mineral worked : MANGANESE ORE Associated
IRON ORE Main
CLAY (OTHERS) Associated

5. Name and Address of the

Lessee : TUMKUR MINERALS PVT LTD
 RAMANASHREE CAMBERS , 102,
 Ist FLOOR, # 37, LADY
 CURZON ROAD, BANGALORE.
 TUMKUR KARNATAKA
 Phone:
 FAX :

Owner : TUMKUR MINERALS PVT LTD
 RAMANASHREE CAMBERS , 102,
 Ist FLOOR, # 37, LADY
 CURZON ROAD, BANGALORE.
 TUMKUR KARNATAKA
 Phone:
 FAX :

Agent : SATHYA SAIBABA
 TUMKUR KARNATAKA
 Phone:
 FAX :

Geologist

Name : LEO CHRISTY, Full Time
 Qualification : M.Sc., APPLIED GEOLOGY
 Appointment/ :
 Termination date

Manager

Name : DHARMARAO
 Qualification : DIPLOMA IN MINING WITH I CLASS
 Appointment/ : 01/01/2007
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	17/12/1990
Plan/Scheme of Mining	:	Existing rule 11 MCDR1988	20/07/2004
	:	Mining Scheme rule 12 MCDR1988	17/08/2009
	:	Renewal under rule 24 MCR1960	01/01/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals.	nil	nil
1b	Exploration over lease area for geological axis 1 or 2	20 bore holes with 1175 meterage	61 trail pits and 33 bore hole with 1453 meterage.	As on date no mining operation is started.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposals.	nil	M/s. Synergy Geotech Pvt. Ltd., Nagpur Rs. 44,30,101
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposals.	nil	nil
1e	Balance reserve as on 01/04/20	No proposals.	6.990 million tones	6.990 million tones, no chnages.
1f	General remarks of inspecting officers on geology, exploration etc	No proposals due to non mining.	Previous reserves/ resources same.	same no changes.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit No. 1	No work	nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposals.	Proposals drawn, but no operation yet.	nil
2c	Stripping ratio or ore to OB ratio	1:1.48	Nil	Because no work.
2d	Quantity of topsoil generation in m3	No proposals.	Nil	Nil
2e	Quantity of overburden generation in m3	4,02,000 tones Or 1,60,800 m3	Nil	Nil due to non operational.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Given proposals.	But no change due to non operational.	Nil
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Pit No.1 only.	Nil	Nil
3b	Quantity of ROM mineral production proposed	2,71,000 tones	Nil	Nil
3c	Recovery of sailable/usable mineral from ROM production	2,71,000 tones	Nil	Nil
3d	Quantity of mineral reject generation	Nil	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	Nil
3f	Quantity of sub grade mineral generation.	No proposals.	Nil	Nil
3g	Grade of sub grade mineral generation	No proposals.	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	mechanical	Nil	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposals.	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Given	No operation.	Nil

3k	Provision of mining machineries in mineral benches	Given	But nil work	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Given	Yes suitable, but no work till date.	Nil
3m	Total area covered under excavation/pits	8.02 ha	Yes same.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:1.48	same, nil working.	No changes due to non operational.
3o	Total area put in use under different heads at the end of year	26.63 ha	No chnages due to non operational.	Nil
3p	Production of ROM mineral during the last five year period as applicable	Nov 2013-14 31,000 2014-15 60,000 2015-16 60,000 2016-17 60,000 2017-18 60,000	Nil production for the past years.	no chnages.
3q	General remarks of inspecting officers on method of mining etc.	Given for systematic working & scientific mining.	But no mining work in progress.	Done very nicely all the operation in the past.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Given for OB dumping & for others. 2016-17 60,000 2017-18 60,000	In the past dis the separate dumping.	Presently nothing.
4b	Location of topsoil, OB and mineral reject dumps	Given in the approved dumps.	Nil	Nil
4c	Number of dumps within lease area and outside of lease area	One only.	Same no changes.	Nil

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Given outside the UPL.	Yes same in the past & not in the present.	Nil
4e	Number of active and alive dumps.	One only.	same no change.	Nil
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Given	Yes provided.	Same.
4i	Length of Retaining wall or garland drain all along dumps	345m proposed in R&R plan 2015-16 60,000 2016-17 60,000 2017-18 60,000	1495m	same as reported.
4j	Number of settling ponds	4 Nos proposed in R&R Plan	6 nos.	Constructed as per R&R Plan and additional before the R&R plan
4k	Specific comments of inspecting officer on waste dump management	Given proposals for systematic work.	In the past all the work has been done in better manner.	Presently nil.

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.	No proposals.	Nil	Nil
5b	Area under backfilling of mined out area	No proposals.	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals.	Nil	Nil

5d	Total area fully reclaimed and rehabilitated	No proposals.	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Though the proposals drawn in the approved document.	But not able to carry out for want of matured or exhausted land.	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).	Not submitted due to non working.	Nil	Nil
6b	Area available for rehabilitation (ha) .	2.00 ha	1.95 ha	just as reported.
6c	afforestation done (ha).	5.00 ha	5.74 ha	As above.
6d	No. of saplings planted during the year	3,500 Saplings	3,500 Saplings	same no changes.
6e	Cumulative no .of plants	17500 Saplings	24,754 Saplings	no chnages.
6f	Any other method of rehabilitation	Given propossls.	Coir mating cored in dump slops and grass & saplings planted	Done in the applicable locations.
6g	Cost incurred on watch and care during the year	Rs. 10,50,000/-	Rs. 10,50,000/-	No changes.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposls.	Nil	NIl
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposals.	Nil	Nil

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposals.	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals.	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposals.	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	7500 nos	7900 nos	Thats same.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	2.00 ha	1.95 ha	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposals.	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposals due to non working.	Nil	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Given for certain works.	Not able to take up due to non working.	Nil

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	2,71,000 tones	No work to comment upon.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	No work in the mine.	Nil
7c	Different grade of mineral sorted out at mines.	No proposals.	Nil	NIL
7d	Any beneficiation process at mines	Proposed for dry processing only.	Nothing has been done due to non operational.	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	proposed for systematic workings.	But no work in the mine due to no permission/clearance.	Nil

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes proposed.	Nil	Nil
8b	Concurrent use or storage of topsoil	Given in the approved document.	No work.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	Nil	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil proposals.	Nil	NIL

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed	Nil	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Given proposals.	Not undertaken due to no clearance from the state.	Yes no work done.
8g	Survival rate	80%	70-80%	same as indicated.
8h	Water sprinkling on roads to control airborne dust	Given proposals.	No due to non working.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Proposals in the approved plan.	Not done to the proposals.	None.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted the monthly returns & AR for the year 2017-18.	Given infromation as per the formats.	Yes provided.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Furnished as per the format.	Given accordingly in the format.	satisfactory.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given as per the items.	under mining=5.85 ha, waste dump=6.16 ha, plant & building etc.,=1.36 ha, lumpy & subgrade stack=4.49 ha & green belt & environment safety zone=6.29 ha.	Comparing to mining area & the waste dump area, it is not appropriate on waste dump, similarly on lumpy & subgrade stack is more.

9d	Scrutiny of Annual return on afforestation	Given	1470 nos with survival of 80% within the ML area. 2030 nos in outside ML area with same % of survival.	As reported possibly with local security peoples.
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	Given OCS=381799t, MR=180764t & subgrade ore=250000t total= 812563t & closing stock also same figures of tonnes.	Whatever reported are appropriate.	Yes appropriate.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	No mining & hence no other activities.	Yes no information furnished.	Yes nil as on the topic.
9h	Scrutiny of Annual return on fixed assets	Given as 1856166 Rs.	reported figure found to be appropriate.	Yes reported figure found to be correct.
9k	Scrutiny of Annual return on mining machineries	Given items on Hitachi 270 LC, Screen plant one each.	Yes during the last workings, things were used.	Now it is not under use, due to non operational.

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

Violation observed		Show cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :**(C.PARAMESHWARAN)**

Indian Bureau of Mines