

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

**Review and updation of Mining Plan REPORT**

**Bangalore regional office**

**Mine file No :** KNT/CTD/MN/121/BNG

**Mine code :** 40KAR07044

- (i) Name of the Inspecting : **P005** ) **C.PARAMESHWARAN**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : CHANDRAKANTH LEGAL HEIR. PRASANNA KUMAR. GEOLOGIST.  
Official with  
Designation
- (iv) Date of Inspection : 07/12/2017
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **BAHADURGHAT**
- (b) **Registration NO.** : **IBM/8848/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : KARNATAKA
- District : CHITRADURGA
- Village : BAHADURGHAT
- Taluka : CHITRADURGA
- Post office : BAHADURGHAT
- Pin Code :
- FAX No. : 08392-277810 (F),
- E-mail : k.chandranath@yahoo.co.in
- Phone : 08392-276218 (O), 94482778:
- (f) Police Station : HOSADURGA
- (g) First opening date : 12/03/1979
- (h) Weekly day of rest : SUN
2. Address for : Mr K CHANDRANATH,  
correspondance NO 15/8, SAKRIKARADAPPA STREET,  
BELLARY - 583101
3. (a) Lease Number : KAR1074
- (b) Lease area : 20.23
- (c) Period of lease : 20
- (d) Date of Expiry : 21/03/1999
4. Mineral worked : MANGANESE ORE Main

## 5. Name and Address of the

Lessee : K.VISHVANATH  
SAKRIKADAPPA STREET  
BELLARY KARNATAKA  
Phone:08392-76218  
FAX :

Owner : K.CHANDRANATH  
CHITRADURGA KARNATAKA  
Phone:  
FAX :

## Geologist

Name : C.P.PRASANNAKUMAR,Full Time  
Qualification : Geologist  
Appointment/ : 01/04/1999  
Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	04/08/1992
Plan/Scheme of Mining	:	Renewal under rule 22 MCR1960	08/09/2000
	:	Mining Scheme rule 12 MCDR1988	12/02/2008

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals, since the mine is not in operation for more than 10 years contineously.	yes the mine is not in operation for more than 10 years.	yes as above
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	NO proposals, since mine is not in operations.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposals.	nil	nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposals.	From the existing excavation it is given 4.05 ha through open cast mining.	same as above.
1e	Balance reserve as on 01/04/20	No proposals.	0.048 Million tonnes of Manganese ore.	As per the approved document recently on 16/1/18.
1f	General remarks of inspecting officers on geology, exploration etc	Due to non working, no proposals.	ML is valid till 8/9/2029. Still state DMG not given the extension of ML period.	It may be appropriate take up during the working of mines.

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	No proposal for the year 2016-17, but for 2017-18 is given as per the plate No. 6A-6B for the year 2017-18..	Approved MP on 16/1/18 for the year 2017-18, reveals Pit No-1, 2 & 3. The mine is not working for > 10 years. Besides, as per the existing situations reveals that ,there is some old clandestine pits, away from the ML area, from the Britishers period, which is not relevant with the existing pits. The old pits outside the ML area are quite old and present from the Britishers period. Violion observed were complied, based on the survey report from the DMG on 21/01/2017.	The existing pit are within the Boundary pillars on all the four sides. Besides, old clandestine pits present from the Britishers period and continued now also adjacent to the ML no. 1584/sy.no.102. which is not related to the existing ML areas. The violation pointed by the inspecting officer were taken complied on 29/11/2017.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposals for the year 2016-17. there is a proposals for the year 2017-18,	As per 2017-18, though the proposals drawn, the lessee is yet to start any operation due to non availability of permission from the state DMG.	There is no mining activities in the ML area or outside the ML area, only old workings could be seen in total.
2c	Stripping ratio or ore to OB ratio	Proposals given for the year 2017-18. the Ore to OB ratio is 1:16.	No mining operation in the ML area or outside Ml areas.	As the Mine is not working, however as per the approved mining plan the stripping ration is 1:16.
2d	Quantity of topsoil generation in m3	154212 cu.m proposed.	Nil, no mining activiities since 2008.	Nothing to comment.
2e	Quantity of overburden generation in m3	154212 m3.	nil in actual	No comments.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Lessee proposed for the year 2017-18.	Thought the lessee proposed as above, but not able to start the mining activiities in any way, without the desired permission from the state DMG and other officials.	Complete mine under clausure/ discontinuance state as on date.

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**Exploitation:**


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Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	One pit No.1, only. i.e. with approximate size of 175m x 170m x 67m depth with 784mrl and 717.5mrl bottom.	The mine is not working for the last ten years and continued to be same. Around the ML areas also reveals complete forest and cultivated land without any fresh mining.	Yes no other pits in operation.
3b	Quantity of ROM mineral production proposed	20,000 t for the year 2017-18	No production till now and the non operational state is continuing till date.	same as above.
3c	Recovery of saleable/usable mineral from ROM production	163306 cu.m of Excavation for the year 2017-18.	out of which 20,000t of saleable ore will be extracted. but no mining operation has been commenced due to want of clearance from the state DMG.	Same as above.
3d	Quantity of mineral reject generation	nil	nil	nil
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable, since there is no proposals.	nil	nil
3f	Quantity of sub grade mineral generation.	nil, no proposals as such.	nil	nil
3g	Grade of sub grade mineral generation	Not applicable, since there is no proposals.	nil	nil
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method during the year 2017-18.	No mining in the ML area as on date.	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	Yes proposals for drilling and blasting in hard strata.	Nil	nil

3k	Provision of mining machineries in mineral benches	Yes JCB/ excavator and the rock breaker.	No mining activities in the mine since the last operation during 2008.	No activity in the mine.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3m bench height, more than the height, i.e. 10 to 15m width.	Proposed is suitable and at present no activity.	nil operation
3m	Total area covered under excavation/pits	Mining=4.689 ha, dumping=2.526 ha, road=0.297 ha,	Approximately as reported in the para 8.6 of the document.	May be as reported.
3n	Ore to OB ratio for the pit/mine during the year.	1:8.25 to 1:16 approximate	Non operational to indicate any thing.	Aa above.
3o	Total area put in use under different heads at the end of year	Mining=4.689 ha, dumping=2.526 ha, road=0.297 ha,	Mining=4.689 ha, dumping=2.526 ha, road=0.297 ha,	Same as above.
3p	Production of ROM mineral during the last five year period as applicable	nil	nil	nil
3q	General remarks of inspecting officers on method of mining etc.	There is no proposals as such in the mining method in the past years.	No mining activities since 10 years, i.e. from 2008. Old excavations are filled with lot of bushes and shrubs etc. Difficult to measures or view.	Nothing to comment on the above issues due to non operational.

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes proposed in the approved document.	Presently no activities.	nil
4b	Location of topsoil, OB and mineral reject dumps	Yes proposed in the document 03 on the western side and 05 along the eastern side.	same as above without change in the location.	same without change due to non working.

4c	Number of dumps within lease area and outside of lease area	As per the document 08 dumps withn the lease.	same as above in the ML area, seen in the plate.	As above.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed in the document, comes under UPL.	Yes as per the UPL area.	no change.
4e	Number of active and alive dumps.	Proposed in the approved document.	Two active and alive dumps i.e. D6 & D8 and six numbers of subgrade active dumps(stacks).	same as above.
4f	Number of dead dumps.	D9 inactive dumps dead dumps.	One inactive dumps.(D-9).	One only.
4g	Number of dumps established.	One dump D-9 stabilized, since it is old inactive.	Yes one inactive dump has been established in the ML area.	As above.
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposals.	Not undertaken since the mine is not working, no such protective works undertaken by the lessee.	Yes not undertaken.
4i	Length of Retaining wall or garland drain all along dumps	No proposals.	nil	nil
4j	Number of settling ponds	No proposals.	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	No proposals.	In the past whatever work carried out to the existing technology at that time, nothing new to comment.	No comments.

#### 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.	No proposals as such, since the lease is expiring by 2029.	The mine is not working, until the mine reopens and start working, one cannot comment on back filling.	No pit is matured for back filling.
5b	Area under backfilling of mined out area	Nil	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.	No proposals, as there is no area matured for back filling.	Nil	Nil

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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).	No proposals.	Yes not submitted due to non working.	There is no progress on PMCP.
6b	Area available for rehabilitation (ha) .	No proposals.	Nothing could be done until mine re-opens.	nil
6c	afforestation done (ha).	No proposals.	1.6 ha area undertaken afforestation in the ML area.	No changes in the above infromation.
6d	No. of saplings planted during the year	No proposals.	Nil	Nil
6e	Cumulative no .of plants	No proposals.	2000 Nos. within the ML area.	Same as above.
6f	Any other method of rehabilitation	No proposals.	Nil	Nil
6g	Cost incurred on watch and care during the year	No proposals.	Rs. 2Lakhs. approximate.	As above.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposals.	No area is matured as such for undertaking back filling the ML area.	No changes.



6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposals.	No changes.	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation 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.	No changes in the area.	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposals.	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposals.	No Changes.	Nothing could be undertaken due to Non working status.
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.	Nil	Nil, since ML comes under non working.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Though proposals drawn for certain items.	But not able to undertake anything due to non working.	yes as above.
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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposals drawn	Due to non working of the mine, no operation is being carried out in the mine.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Proposals drawn for manual operation.	Yes not undertaken due to non operational.	Yes as above.
7c	Different grade of mineral sorted out at mines.	Proposals drawn.	Not undertaken as the mine is non working.	nil
7d	Any beneficiation process at mines	No proposals.	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Partly proposals drawn in the approved document.	But due to non operational and not workings, nothing could be carried out in the mine.	Nil

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposals.	Whatever removed in the past has been consumed in afforestation.	As above.
8b	Concurrent use or storage of topsoil	No proposals.	Nil	Nil

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	In the past it was followed. Now the same will be followed if the mine is commened.	Nil as on date of inspection.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals as the mine is not working	Yes no such work is possible until the mine re- opens.	Same as above.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals at present.	This will be undertaken at the time of final closure	Nothing possible at present.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposals given.	Site inspection reveals, there exist plantation in the ML area as forest growth, in addition lessee also undertaken some plantation as reported in the format.	Reported as above.
8g	Survival rate	No proposals.	Not applicable	Nil
8h	Water sprinkling on roads to control airborne dust	Proposals made.	But not done due to non working.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No proposals.	Site inspection reveals that the mine is well maintained naturally.	Well maintained due to forest growth.

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#### Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns submitted by the lessee in online and the Annual returns in the Hard copy for the year 2016-17.	Due to non working of the mine for more than 10 years , technical officers are not appointed in the mine.	Yes due to non operational, things are not arranged.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Submitted for the year 2016-17	Due to non working, the details of mining engineer, geologist & manager not appointed in the mine due to financial constraints.	Yes not appointed.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not furnished.	However, the details furnished in the approved mining plan, submitted recently.	Yes furnished in the latest mining plan.
9d	Scrutiny of Annual return on afforestation	Not furnished.	Due to non working, nothing given	yes not reported.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not furnished as per the format	Not reported any information.	Nil information.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No information furnished.	Not furnished	Nil report.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil information	Yes not furnished.	Nil report.
9h	Scrutiny of Annual return on fixed assets	No information furnished.	Nil information given.	Nil report.
9k	Scrutiny of Annual return on mining machineries	No information	No information	Nil report.

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**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