

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

MCDR INSPECTION REPORT

Bangalore regional office

Mine file No : KNT/BLR/FE/347/BNG

Mine code : 30KAR03023

- (i) Name of the Inspecting : **P005**) **C.PARAMESHWARAN**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri. Devaraj, Representative of the company.
Official with
Designation
- (iv) Date of Inspection : 16/05/2015
- (v) Prev.inspection date : 23/07/2010

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **JAINSINGPUR (90 AC)**
- (b) **Registration NO.** :
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : BELLARY
- Village : JAISINGPUR
- Taluka : SANDUR
- Post office : JASINGPUR
- Pin Code : 583103
- FAX No. : 08394-24862
- E-mail :
- Phone : 08394-24862
- (f) **Police Station** :
- (g) **First opening date** : 19/01/1979
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/S.ASWATHNARAYAN SINGH & CO,
NO.54, 3rd MAIN ROAD,
PARAVATHI NAGAR, BELLARY - 583103
3. (a) **Lease Number** : KAR0166
- (b) **Lease area** : 56.5
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 23/03/2016
4. **Mineral worked** : IRON ORE Main

5. Name and Address of the

Lessee : ASWATHARAYAN SINGH AND CO
BELLARY KARNATAKA
Phone:
FAX :

Owner : ASWATHNARAYAN SINGH & CO.
NO.54, 3rd MAIN ROAD,
PARAVATHI NAGAR, BELLARY -
583103 BELLARY KARNATAKA
Phone:
FAX :

Manager

Name : S.VENU GOPALASWAMY
Qualification : B.Sc Ist CLASS MANAGERS CERTIFICATE OF C
Appointment/ : 26/02/2007
Termination date

6. Date of approval of Mining	:	Modif.of approved Mining Plan	03/10/2007
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	06/05/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	For the period from 2007-08 to 2010-11 was 12 bore holes with 720m depth.	9 bore holes with 136m depth.	The above work done during the approval scheme of mining period. On the day of inspection, no mining operation due to obtain some clearance from the Govt.
1b	Exploration over lease area for geological axis 1 or 2	G1= 8.12 ha, G2=1.46 ha, G3=42.42 ha.	Not done since the mine is yet to start.	Lessee waiting to get clearance from the forest department after the penalty/ fine imposed by the Govt.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Geotech Exploration agency.	Geotech Exploration agency with 19.23 lakhs.	The expenditure involved for the previous is indicated.
1d	Balance area to be explored to bring Geological axis in 1 or 2	52 ha as reported in the data sheet.	Not yet started.	This may be possible after commencing the mine.
1e	Balance reserve as on 01/04/20	31,16,982 Million tonnes as on 1/4/2015.	possiblily vary after undertaking complete explorations.	yes only after completing the exploration in the complete ML area.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	as per the approved SOM.	No work in the mine to asses the area of operation.	Yes no mining operation commenced in the mine to report upon.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes proposals made in the approved documents.	Not yet started from the old discontinuance, after the approval of the document.	It will be possible to report only after the commencement.
2c	Stripping ratio or ore to OB ratio	1:0.46	Not able to asses.	Only if the mine is operating.

2d	Quantity of topsoil generation in m3	Nil	Nil	it is reported that due to thin layer of top soil, it is not possible.
2e	Quantity of overburden generation in m3	22222.4m3	Nil	Nil due to non operational.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Yes proposal made in the approved SOM.	But due to non operational, remarks could not possible.	As above.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one pit only.	nil	no pit due to non operational as on date of inspection.
3b	Quantity of ROM mineral production proposed	120000 tonne	nil	nil.
3c	Recovery of sailable/usable mineral from ROM production	101333t	nil	nil due to non operational.
3d	Quantity of mineral reject generation	55556t/ 22222.4m3.	nil	nil
3e	Grade of mineral rejects generation and threshold value declared.	Nil	nil	nil
3f	Quantity of sub grade mineral generation.	18667t	nil	nil
3g	Grade of sub grade mineral generation	not specified, but it is given even 45% fe will be blended with high grade ore	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.	nil	nil	nil
3j	Provision of drilling and blasting in mineral benches	yes provision made using deep hole drilling & blasting.	nil	nil
3k	Provision of mining machineries in mineral benches	yes provisions made for mineral benches too.	nil	nil.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes suitable benches provided.	nil	nil
3m	Total area covered under excavation/pits	6.5 ha	same 6.5 ha due to non working.	as above.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.46	nil	nil
3o	Total area put in use under different heads at the end of year	22.319 ha	same as above	same as above.
3p	Production of ROM mineral during the last five year period as applicable	2010-11=711932T 2011-12=NIL 2012-13=NIL 2013-14=NIL 2014-15=NIL, 2015-16=NIL	ONLY IN 2010-11=711932T AND no production after that.	Due to non operational no productions.
3q	General remarks of inspecting officers on method of mining etc.	The lessee got no work in the mine. approved scheme of mining to work systematically .		Due to delay in paying penalty imposed to the lessee, wherein he is still not able pay due to heavy amount. Possibly, the party bargain9ing with the concerned department.

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	yes location have been allocated for separate dumping.	Actual no work.	nil
4b	Location of topsoil, OB and mineral reject dumps	E657817 to 657975 and N1679243 to 1679384	No work.	no work.
4c	Number of dumps within lease area and outside of lease area	ID-1, ID-3 & ID-5 are partially outside and partially inside. ID-2 is located inside the lease area.	Same location, no changes, due to non operational.	same as above.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	UPL is marked for pat of the area and not complete.	No changes.	The lessee need to draw the UPL again based on the outcome of future explorations.
4e	Number of active and alive dumps.	one only.	same as above, at the time operational stage.	as above.
4f	Number of dead dumps.	4 nos. only.	4 only.	same as above.
4g	Number of dumps established.	3 nos.	3 nos. as per the report.	3 only.
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes provided as per the R & R work approved through the document.	same as above	yes provided.
4i	Length of Retaining wall or garland drain all along dumps	552m length.	552m long.	yes exist in the mine.
4j	Number of settling ponds	5 nos	4 nos.	it is mentioned due to site condition, the 5 th one is not undertaken.
4k	Specific comments of inspecting officer on waste dump management	Proposals made.	nil at present.	During the boom period, the lessee undertaken the work without adhering to the restriction of lease boundary. But, the present work in the area is being followed.

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.	Not applicable.	nil	not applicable, as no area is mined out.
5b	Area under backfilling of mined out area	Not applicable.	Not applicable.	nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	not applicable.	Not applicable.	Not applicable.
5d	Total area fully reclaimed and rehabilitated	not applicable.	nil	Except waste dumps, no such reclamation & rehabilitation work started in the ML area.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	yes proposal are made, if exhausted.	nil	No area is matured to undertake any such work as on date.

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).	The mine is not operating for lessee to submit	not applicable.	once the mine starts, the lessee will submit.
6b	Area available for rehabilitation (ha) .	no area available for rehabilitation s.	nil	no mining, no area to undertake such work.
6c	afforestation done (ha).	nil	nil	nil
6d	No. of saplings planted during the year	nil	nil	nil
6e	Cumulative no .of plants	81600 nos for five yrs. and 20125 nos. in the ensuing scheme period.	176000 nos. planted in the mp period.	as above, besides nothing due to non operational.

6f	Any other method of rehabilitation	nil	nil	nil
6g	Cost incurred on watch and care during the year	4-5 lakhs	4 lakhs.	mainly for watch and ward.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	nil	nil	nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	nil	nil	nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	nil	nil	nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	nil	nil	nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	nil	nil	nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	nil	nil	nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	nil	nil	nil

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	nil	nil	nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	yes proposed.	nil	nil, due to non operational.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	yes proposed, but yet to start the mining.	not yet started.	Only after undertaking mining, PMCP will be possible.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	After 2011 no mining operation in the mine, hence no dispatch.	nil	nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	nil	nil	nil
7c	Different grade of mineral sorted out at mines.	nil	Nil	Nil
7d	Any beneficiation process at mines .	nil	nil	nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	The mine is yet to start due to some clearance to be obtained & hence no operation to comment upon.	nil	nil

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	though proposal made, but at present nothing.	nil	nil
8b	Concurrent use or storage of topsoil	nil	nil	nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	yes proposals made.	nil	nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	nil at present.	nil	nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	nil	nil	nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes this is in forest land completely. Shrubs and bushes are present in the lease area.	50000 plantations done in the area at varies places as per the R &R work.	as above.
8g	Survival rate	60-70%	30-40%.	as above.
8h	Water sprinkling on roads to control airborne dust	proposed.	not at present	nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	proposed to undertake aesthetic beauty.	not present due to non opertaional.	yes , whatever the conditions left in the past remains the same.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

9a	Status of submission of Monthly and Annual returns	MR received for July, 2015.	Violation was issued by this office on 21/23.09.2015 for not sending the AR for 2014-15 & also the nil returns for the monthly.	yes it is issued to the party to comply with.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	not yet received.	not applicable.	awaiting AR, 2014-15.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	not received to comment upon.	not applicable.	no comments.
9d	Scrutiny of Annual return on afforestation	no returns recd. from the party to comment upon.	nil	nil
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	nil	nil	nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	nil	nil	nil
9h	Scrutiny of Annual return on fixed assets	nil	nil	nil
9k	Scrutiny of Annual return on mining machineries	nil	nil	nil

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