

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BJP/LST-6/GOA

Mine code : 38KAR26010

- (i) Name of the Inspecting : **K02**) **KALMATA M.K.**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri.Mahantesh Udapudi, Lessees, Son.
Official with
Designation
- (iv) Date of Inspection : 20-DEC-18
- (v) Prev.inspection date : 04-SEP-16

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **HEBBAL (ML 2043)**
- (b) **Registration NO.** : **IBM/559/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : KARNATAKA
- District : BAGALKOT
- Village : HEBBAL
- Taluka : MUDHOL
- Post office : LOKAPUR
- Pin Code : 587122
- FAX No. : 08350240060
- E-mail : pawanmineralslokapur@gmail
- Phone : 08350--240060
- (f) Police Station : Mudhol
- (g) First opening date : 15-AUG-87
- (h) Weekly day of rest : TUE
2. Address for : M/s Pawan Minerals
correspondance : At-Hebbal-587122
Tq-Mudhol, Diat-Bagalkot
3. (a) Lease Number : KAR0138
- (b) Lease area : 9.75
- (c) Period of lease : 20
- (d) Date of Expiry : 30-JUL-07
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : B.C.Udapudi
M/sPawan Minerals
P.O.Lokapur Dist.:Bagalkot
BAGALKOT KARNATAKA
Phone:(08350)40060(0),40059(R)
FAX :

Owner : B.C.Udapudi
M/s Pawan Minerals
P.O.Lokapur Dist.:Bagalkot
BAGALKOT KARNATAKA
Phone: 08350-240059(R)
FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	08-JAN-03
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	29-DEC-06
		Renewal under rule 24 MCR1960	30-MAY-07
		Mining Scheme rule 12 MCDR1988	17-OCT-13
		MP modif under 17(3) MCR 2016	19-APR-17

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	There was a proposal to drill 05 core boreholes to a total depth of 150 mtrs in the year 2017-18.	No exploration was carried out so far.	Violation is pointed out for the same.
1b	Exploration over lease area for geological axis 1 or 2	Entire mineralized area was proposed to explore under G-1 level.	Exploration is not carried out as per the proposal.	Violation is pointed out for the same.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	4.86 Ha	Nil	At present exploration is carried out in the G-2 level.
1e	Balance reserve as on 01/04/20		Reserves/Resources as on 01.04.2018 (in tonnes) Probable Mineral Reserves (122) - 1263900 Pre-feasibility Mineral Resources - 1202662 Inferred Mineral Resources - 1942480	
1f	General remarks of inspecting officers on geology, exploration etc		Lessee has explored entire mineralized area under G-2 level. Further in the year 2017-18 05 core boreholes were proposed in the entire mineralized area to convert G-2 level of exploration to G-1 level. However the proposed exploration is not carried out so far and violation is pointed out for the same.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	There was a proposal to work between the co-ordinates N-1789785 to N-1789865 and E-537150 to 537350 in the year 2017-18.	Working has been carried out between the co-ordinates-N-1789780 to N-1789820 and E- 537100 to E-537350	Lessee is not done any propduction and development in the year 2018-19 up to Nov-2018.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Benches were proposed in ore only.	Benches were developed in ore only.	
2c	Stripping ratio or ore to OB ratio	1:0.05	1:0.04	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	809	615	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Benches were not maintained properly and lessee was advised to rectifive the benches once production and development starts. The lessee is not done any production and development up to nov-2018 due to EC issue.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	40000 tons	30000 tons	
3c	Recovery of sailable/usable mineral from ROM production	95%	95%	

3d	Quantity of mineral reject generation	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA
3f	Quantity of sub grade mineral generation.	Nil	Nil
3g	Grade of sub grade mineral generation	NA	NA
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Yes	Yes
3k	Provision of mining machineries in mineral benches	No machineries were proposed.	Mine is working manually.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3.00 mtr bench height was proposed.	Benches height is maintained at 3.00 to 4.00 mtr.
3m	Total area covered under excavation/pits		4.5ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.05	1:0.04
3o	Total area put in use under different heads at the end of year		Area under minig 4.5Ha, others-0.36Ha

3p	Production of ROM mineral during the last five year period as applicable	2017-18	2017-18
		40000 tons	30000 tons
		2016-17	2016-17
		40000 tons	38000 tons
		2015-16	2015-16
		40000 tons	38000 tons
		2014-15	2014-15
		40000 tons	42000 tons
3q	General remarks of inspecting officers on method of mining etc.	2013-14	2013-14
		40000 tons	Nil
		The mine was not working due to some EC issues. The benches were not maintained properly and lessee was advised to rectify the same once mine started production.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No dumping was proposed for topsoil and Mineral reject OB eas proposed for rectification of safety zone.	No topsoil and mineral reject was generated in the year 2017-18. The OB generated in the year 2017-18 was utilized for road repair and rectification of safety zone.	
4b	Location of topsoil, OB and mineral reject dumps	OB was proposed for rectification of safety zone.	OB was utilized for repair of Road and rectification of safety zone.	
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	OB was utilised for repair of roads and rectification of safety zone.
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	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	NA	NA
4j	Number of settling ponds	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management		The waste generated during 2017-18 was utilized for repair road and rectification of the safety zone.

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 proposal for backfilling		The mine was not worked upto proved depth and no proposal was given for backfilling in the present plan period.
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral 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 mine was not worked up to the proved depth. No backfilling was proposed in the present plan period.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Before 1st july of every year.	Annual report of PMCP was not submitted for the year 2016-17 & 2017-18.	Violation is pointed out for the same.
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.075Ha	No plantation was done in the year 2017-18.	Violation is pointed out for the same.
6d	No. of saplings planted during the year	75	Nil	
6e	Cumulative no .of plants		125 plants so far	Survival rate is very less and very less plantation was observed during inspection.
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 (L x B x D	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 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 (iii) Method of rehabilitation	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)		The mine is operating manually and generation of dust is negligible. However lessee is regularly monitoring air and water quality and all the parameters are within permissible limit.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Lessee was not submitted yearly report on PMCP for the year 2016-17 and 2017-18, Plantation was not made as per the proposal in the year 2017-18 and violation is pointed out for the same. Lessee is regularly monitoring air and water quality and all the parameters are within permissible limit.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area		About 310.76tonnes of BF grade ore was despatched in the year 2017-18.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.		Only BF grade ore.	
7d	Any beneficiation process at mines .	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Lessee is blending low grade ore with medium and high grade ore as per the requirement of the buyor.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	No topsoil was removed in the year 2017-18.
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Only OB generation and dumping was proposed.	No waste rock and rejects were generated. Ob which was removed in the year 2017-18 was utilized for repairing road and rectification of 7.5mtr safety zone.	
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)		About 125 plantation was made.	Survival rate is very less and lessee is not maintaining plantation.
8g	Survival rate		Lessee than 40%	
8h	Water sprinkling on roads to control airborne dust		Mine is working manually and generation of dust is negligible. However lessee is using water tanker for wetting roads during working days.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Benches were not maintained properly and lessee is advised to rectify the benches when mine starts working. Further the plantation is not made as per the proposal and survival rate is also very less. Violation is pointed out for the same.	

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Lessee is regularly submitting monthly and annual returns.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	In the annual returns submitted for the year 2017-18 Mining Engineer and geologist were shown as Nil and manager is shown as Mr.Vittal Madar.	Mining engineer and geologist were not appointed by the lessee. Violation was pointed out by the JMG during his previous inspection. Now mine is not doing any production and development and lessee has requested once production starts mining engineer will be appointed so no fresh violation was pointed out.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining-4.00Ha and Area under safety zone-0.86Ha	Area under mining is almost 4.5Ha and remaining safety zone and all-0.36Ha	
9d	Scrutiny of Annual return on afforestation	75	Plantation was not done as per the proposal.	violation is pointed out for the same.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	About-52066.467 tons of BF grade was shown as closing stock	The stock position mentioned in monthly and annual returns was not matching.	Violation is pointed out for the same.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value is shown as av Rs-594/ton, Exmine price Rs -594 and cost of production-Rs-270/ton	One invoice was checked and it was found correct.	
9h	Scrutiny of Annual return on fixed assets	Value of Fixed assets is shown as zero on top and at closing balance same was shown as Rs, 1200000.	About Rs 200000 is shown under industries and justification was not given during verification. Violation is pointed out for the same.	
9k	Scrutiny of Annual return on mining machineries	Only compressor was shown	The mine was not working on the day of inspection and no machineries were observed in the mine.	

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
MCDR17	Rule 11(1)	01-JAN-19			
MCDR17	Rule 26(2)	01-JAN-19			
MCDR17	Rule 31(4)	01-JAN-19			

Date :

(KALMATA M.K.)

Indian Bureau of Mines