

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

**Review and updation of Mining Plan REPORT**

**Kolkata regional office**

**Mine file No :** CAL/JHK/SB(W)/LST-73

**Mine code :** 38BHR50001

- (i) Name of the Inspecting : **K004** ) **B.P KERKETTA**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sri Anil Khirwal, Father of Sri Ankit Khirwal, Partner  
Official with  
Designation
- (iv) Date of Inspection : 10/05/2018
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **HESSAPI**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : JHARKHAND  
District : SINGHBHUM (WEST)  
Village : HESSAPI  
Taluka : JAGANATHPUR  
Post office : JAGANATHPUR  
Pin Code : 833203  
FAX No. : NIL  
E-mail : NIL  
Phone : 06582-258357/259157
- (f) Police Station :
- (g) First opening date : 14/04/1988
- (h) Weekly day of rest : TUE
2. Address for : PO:JAGANNATHPUR.  
correspondance : DIST:WEST SINGHBHUM.  
JHARKHAND.
3. (a) Lease Number : JHK0080
- (b) Lease area : 1.74
- (c) Period of lease : 15
- (d) Date of Expiry : 29/10/2001
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : MARUTI MINERAL INDUSTRIES  
KHIRWAL MARKET P.O.-  
CHAIBASA JHARKHAND  
SINGHBHUM (WEST) JHARKHAND  
Phone:06582-258357/259157  
FAX :9431300407

Owner : SMT. SUMITRA DEVI KHIRWAL  
AT/P.O - CHAIBASA SINGHBHUM  
(WEST) JHARKHAND SINGHBHUM  
(WEST) JHARKHAND  
Phone: 06582-258357/25  
FAX : 9431300407

Agent : ANIL KHIRWAL  
M/S MARUTI MINERALS  
INDUSTRIES KHIRWAL MARKET,  
AT & PO. CHAIBASA  
SINGHBHUM(W) SINGHBHUM  
(WEST) JHARKHAND  
Phone: 06582-258357, 259157  
FAX : NIL

6. Date of approval of Mining :  
Plan/Scheme of Mining

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Proposal.	Nil	Mining Plan approved on 22/06/2018 for the plan period 2018-19 to 2020-21. Lapsed period was 2016-17 to 2017-18.
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	Mining Plan approved on 22/06/2018 for the plan period 2018-19 to 2020-21. Lapsed period was 2016-17 to 2017-18.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	Mining Plan approved on 22/06/2018 for the plan period 2018-19 to 2020-21. Lapsed period was 2016-17 to 2017-18.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Mining Plan approved on 22/06/2018 for the plan period 2018-19 to 2020-21. Lapsed period was 2016-17 to 2017-18.
1e	Balance reserve as on 01/04/20	5,89,287.15 M.T. Probable (121).	5,89,287.15 M.T. Probable (121).	Mine not working so balance remain same.
1f	General remarks of inspecting officers on geology, exploration etc		The mining lease was transferred from Sri Ramkishun Sahu to M/s Maruti Mineral Industries on 14/11/2000 vide letter no.3988/M. This is an old mine and mining work is discontinued since long due to want of valid approved Mining Plan and also Raiyati land acquisition problem.	Mine was not working.

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Nil	Nil	No approved mining plan. for 2017-18.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Nil	Nil	No approved mining plan. for 2017-18.
2c	Stripping ratio or ore to OB ratio	Nil	Nil	No approved mining plan. for 2017-18.
2d	Quantity of topsoil generation in m3	Nil	Nil	No approved mining plan. for 2017-18.
2e	Quantity of overburden generation in m3	No overburden	Nil.	No approved mining plan. for 2017-18.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Since there was no approved mining plan for 2017-18, there were no proposals for development. Also, this mine was not working on the day of inspection. Only one pit of size 31.4mx 14.32mx 1.5m was present in the leasehold.	

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Not proposed	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.
3b	Quantity of ROM mineral production proposed	Not proposed	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.
3c	Recovery of sailable/usable mineral from ROM production	Nil	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.

3d	Quantity of mineral reject generation	Nil	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.
3f	Quantity of sub grade mineral generation.	Nil	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.
3g	Grade of sub grade mineral generation	Nil	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.
3h	Manual / Mechanised method adopted for segregating from ROM	Nil	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.
3j	Provision of drilling and blasting in mineral benches	Nil	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.
3k	Provision of mining machineries in mineral benches	Nil	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Nil	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.

3m	Total area covered under excavation/pits	Nil	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.
3o	Total area put in use under different heads at the end of year	Pit=0.0449 Ha.	Pit=0.0449 Ha.	Existing pit totally of 0.0449 ha.
3p	Production of ROM mineral during the last five year period as applicable	2013-14: nil, 2014-15: nil, 2015-16: nil, 2016-17: nil, 2017-18: nil.	2013-14: nil, 2014-15: nil, 2015-16: nil, 2016-17: nil, 2017-18: nil.	The mine is not working due to not obtaining EC and there was no approved mining plan for 2017-18.
3q	General remarks of inspecting officers on method of mining etc.			The mine is not working due to not obtaining EC and there was no approved for mining plan for 2017-18.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Nil	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	No top soil, OB & mineral reject as The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.

4e	Number of active and alive dumps.	Nil	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.
4f	Number of dead dumps.	Nil	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.
4g	Number of dumps established.	Nil	Nil	The mine is not working due to not obtaining EC and no approved mining plan for 2017-18.
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	No Retaining wall or Garland drain proposed due to no approved mining plan for 2017-18..
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	No approved mining plan for 2017-18.
4j	Number of settling ponds	Nil	Nil	No approved mining plan for 2017-18.
4k	Specific comments of inspecting officer on waste dump management			The mine is not working due to not obtaining EC and no approved mining plan for 2017-18. There was no waste dump existing. But as per approved mining plan an area of 0.46ha has been earmarked for dumping. Also all the waste shall be utilized for backfilling of Quarry.

---

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.	Nil	Nil	No approved mining plan for 2017-18.
5b	Area under backfilling of mined out area	Nil	Nil	No approved mining plan for 2017-18.

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	No approved mining plan for 2017-18.
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	No approved mining plan for 2017-18.
5e	General remarks of inspecting officers on backfilling and reclamation etc.		The mine is not working due to not obtaining EC and there was no approved mining plan for 2017-18. Therefore, no comments on backfilling and reclamation could be given.	

---

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).	Yes	The lessee has submitted last report for the year 2016-17 on PMCP on time dated 22.06.2017 under Rule 45, of MCDR, 2017	Annual report regularly submitted.
6b	Area available for rehabilitation (ha) .	Nil	Nil	Not proposed due to no approved mining plan for 2017-18.
6c	afforestation done (ha).	Nil	Nil	Not proposed due to no approved mining plan for 2017-18.
6d	No. of saplings planted during the year	Nil	Nil	Not proposed due to no approved mining plan for 2017-18.
6e	Cumulative no .of plants	Nil	Nil	Not proposed due to no approved mining plan for 2017-18.
6f	Any other method of rehabilitation	Nil	Nil	Not proposed due to no approved mining plan for 2017-18.
6g	Cost incurred on watch and care during the year	Nil	Nil	Not proposed due to no approved mining plan for 2017-18.



6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Nil	Nil	Not proposed due to no approved mining plan for 2017-18.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Not proposed due to no approved mining plan for 2017-18.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Nil	Nil	Not proposed due to no approved mining plan for 2017-18.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Not proposed due to no approved mining plan for 2017-18.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	Not proposed due to no approved mining plan for 2017-18.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	Not proposed due to no approved mining plan for 2017-18.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	Not proposed due to no approved mining plan for 2017-18.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	Not proposed due to no approved mining plan for 2017-18.

6p	Compliance of environmental monitoring (core zone and buffer zone)	Nil	Nil	The mine is not working due to not obtaining EC so no monitoring has been taken place.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		The mine is not working due to not obtaining EC and there was no approved mining plan for 2017-18. Therefore, the progressive closure operation could not be carried out.	

---

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Nil	The mine is not working due to not obtaining EC and there was no approved mining for 2017-18.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil	Nil	The mine is not working due to not obtaining EC and no approved mining
7c	Different grade of mineral sorted out at mines.	Nil	Nil	Mine is in a non-working .
7d	Any beneficiation process at mines .	Nil	Nil	No.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		The mine is not working due to not obtaining EC and there was no approved mining for 2017-18. Therefore, comment on mineral conservation and beneficiation issues could not be given.	

---

Environment:

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

8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	Mine is in a not-working , so no top-soil removed.
8b	Concurrent use or storage of topsoil	Nil	Nil	Mine is in a non-working condition so no top soil storage.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	Mine is in a non-working condition so no dumps or waste rock, reject or fines generated.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	Mine is in a non-working condition so no usage of overburden, waste rock rejects and fines dump.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	No mining work has been carried out so no restoration or reclamation and rehabilitation of lands affected.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Nil	Nil	No plantation is caring out as the mine is non-working.
8g	Survival rate	Nil	Nil	No plantation
8h	Water sprinkling on roads to control airborne dust	Nil	Nil	The mine is not working so no water sprinkling is necessary.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The mine is not working due to not obtaining EC and there was no approved mining for 2017-18. However, the aesthetic beauty in and around mines area is good.

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to March, 2018 A.R. submitted upto 2016-17	M.R. Submitted up to March, 2018 A.R. submitted upto 2016-17	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer, Geologist, Manager to be appointed.	None as the mine was closed.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area exploited and abandoned by o/c working 0.74ha.	Not found correct as as per approved mining plan it should be Area exploited and abandoned by o/c working 0.74ha. Infrastructure-0.005ha.	Mine was not working during 2017-18.
9d	Scrutiny of Annual return on afforestation	Nil	Found correct.	There was no approved mining plan for 2017-18, hence no proposal.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Found correct.	There was no approved mining plan for 2017-18, hence no proposal.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening & Closing stock of Limestone 4.495Tonne.	Found correct as per approved mining plan.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value, Ex Mine Price and Production cost Nil	Found correct.	The mine was not working during 2017-18.
9h	Scrutiny of Annual return on fixed assets	Fixed Assets Nil	Found correct.	
9k	Scrutiny of Annual return on mining machineries	Mining Machineries Nil	Found Correct.	The mine was not working during 2017-18.

**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 :**

**(B.P KERKETTA)**

Indian Bureau of Mines