

**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/23/BNG

**Mine code :** 40KAR19021

- (i) Name of the Inspecting : **S21** ) **H M Shivakumar**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : **SRI.Karunakara M.A.-AsstManager, Sitaram Kemmannu-QP**  
Official with  
Designation
- (iv) Date of Inspection : 16/12/2021
- (v) Prev.inspection date : 04/02/2020

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KAREKURCHI (ML 2028)**
- (b) **Registration NO.** : **IBM/244/2011**
- (c) **Category** : **A Other than Fully Mech.**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **TUMKUR**
- Village : **KAREKURCHI**
- Taluka : **TIPTUR**
- Post office : **RAJATHADRIPURA**
- Pin Code :
- FAX No. : **080-23343639 (F),**
- E-mail : **rbrmines@email.com**
- Phone : **080-23343636,/37 944837640.**
- (f) **Police Station** : **K.B.CROSS**
- (g) **First opening date** : **13/01/1987**
- (h) **Weekly day of rest** : **SUN**
2. **Address for** : **SRI.R.BHARAT RAJ,MINE OWNER,,**  
**correspondance** **NO.862, Dr.MC.MODI ROAD,**  
**BASAVESWARA NAGAR BANGALORE - 560 080.**
3. (a) **Lease Number** : **KAR0459**
- (b) **Lease area** : **16.18**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **12/01/2007**
4. **Mineral worked** : **IRON ORE** **Main**

## 5. Name and Address of the

Lessee : KARNATAKA LIMPO CEMENT INDUSTRY  
 NO-862,DrM.C.MODI ROAD,  
 BASAVESWARANAGAR,  
 BANGALORE-560086 TUMKUR  
 KARNATAKA  
 Phone:080-233436/37 9448376404, 9880231313  
 FAX :080-23343639

Owner : KARNATAKA LIMPO CEMENT INDUSTRY  
 TUMKUR KARNATAKA  
 Phone: 080-233436/37  
 FAX : 080-23343639

## Mining Engineer

Name : A M RUDRAIAH,Full Time  
 Qualification : B E MINING  
 Appointment/ : 16/12/2021  
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	26/03/2004
Plan/Scheme of Mining		Renewal under rule 24 MCR1960	10/10/2006
		Mining Scheme rule 12 MCDR1988	26/02/2014
		MP review under 17(1) MCR 2016	06/03/2020

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NA	NA
1b	Exploration over lease area for geological axis 1 or 2	11 Core drill holes.	NIL	Mine was not operational due to statutory clearances. However exploration during 2021-22 by 24 nos DTH holes for which violation is issued.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Inhouse.	NIL	Mine was not operational due to statutory clearances.
1d	Balance area to be explored to bring Geological axis in 1 or 2	13.52	NIL	Mine was not operational due to statutory clearances.
1e	Balance reserve as on 01/04/20	Iron Ore: 40023t Manganese ore: 5271t	--	Proposed production of Iron ore 40025t could not achieved as mine is not operational.
1f	General remarks of inspecting officers on geology, exploration etc			During the year 2020-21 the mine was non operational for want of statutory clearances that is the resumption order from monitoring comitee. Post receipt of resumption order dated 23/3/2021 mining activity has been resumed from 26/8/2021. Mine was inspected for carrying out site inspection for darft RUMP submitted.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	B-B' Section RL 927-938m C-C' Section RL 920-940m D-D' Section RL 928-932m (686545 Eto685730 E& 1475327 Nto1475475 N)	NIL	Mine is non operative due to statutory clearances.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed.	Maintained but not advanced as mine was not operational.	Mine was not operational.
2c	Stripping ratio or ore to OB ratio	1 : 0.71	NIL	Mine was not operational.
2d	Quantity of topsoil generation in m3	NIL	NA	NA
2e	Quantity of overburden generation in m3	20500	NIL	Mine was not operational.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			During the year 2020-21 the mine was non operational for want of statutory clearances that is the resumption order from monitoring comitee. Post receipt of resumption order dated 23/3/2021 mining activity has been resumed from 26/8/2021. Mine was inspected for carrying out site inspection for darft RUMP submitted.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	NIL	Mine was not operational.

3b	Quantity of ROM mineral production proposed	40025t	NIL	Mine was not operational.
3c	Recovery of sailable/usable mineral from ROM production	40025t	NIL	Mine was not operational.
3d	Quantity of mineral reject generation	19500t	NIL	Mine was not operational.
3e	Grade of mineral rejects generation and threshold value declared.	Below threshold limit of 45% fe	NIL	Mine was not operational.
3f	Quantity of sub grade mineral generation.	NIL	NA	--
3g	Grade of sub grade mineral generation	NA	NA	--
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	NIL	Mine was not operational.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposal.	NA	--
3j	Provision of drilling and blasting in mineral benches	No Proposal.	NA	--
3k	Provision of mining machineries in mineral benches	106 (2) (b) under MMR-1961 obtained	--	--
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6m suitably designed	6M	--

3m	Total area covered under excavation/pits	3.365 (starting of plan period to 3.78Ha (end of plan period) Active pit 200m X 100m	3.365 200m X 100m	Mine was not operational.
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.71	NIL	Mine was not operational.
3o	Total area put in use under different heads at the end of year	9.4396	7.5632	Mine was not operational.
3p	Production of ROM mineral during the last five year period as applicable	Only one year of plan 40025t	NIL	Mine was not operational.
3q	General remarks of inspecting officers on method of mining etc.			During the year 2020-21 the mine was non operational for want of statutory clearances that is the resumption order from monitoring comitee. Post receipt of resumption order dated 23/3/2021 mining activity has been resumed from 26/8/2021. Mine was inspected for carrying out site inspection for darft RUMP submitted.

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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)	Separate proposal for OB & mineral rejects & no top soil generation.	Area identified	--

4b	Location of topsoil, OB and mineral reject dumps	The area selected for disposal of waste is on the proposed Dups PD-1 & PD-2) on 685575 E to 685660 E and 1475100 N to 1475250 N grid lines and on 685595 E to 685640 E and 1475350 N to 1475540 N grid lines of the lease area. One for waste and one for Mineral reject. No proposal of subgrade ore & top soil generation.	NIL	Mine was not operational.
4c	Number of dumps within lease area and outside of lease area	within lease two active & three inactive dumps. No dumps proposed outside leases	Inactive dumps stabilized and reclaimed while active dumps proposed are not used	Mine was not operational.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside pit limit	Not created	Mine was not operational.
4e	Number of active and alive dumps.	2	Not started	Mine was not operational.
4f	Number of dead dumps.	2	Not started	
4g	Number of dumps established.	2	Not started	--
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed for active dump & constructed for inactive dumps	Dumps not created as proposed hence structures not made. Inactive dumps provided & reclaimed	

4i	Length of Retaining wall or garland drain all along dumps	For active dumps: RW 231m+137m & GD 230m+ 243m  For Inactive dumps: as proposed are already constructed and reclaimed	Dumping not yet started.  ---	Mine was not operational.
4j	Number of settling ponds	2 already created & desilting proposal	Desilting has been carried from both silt settling tanks.	
4k	Specific comments of inspecting officer on waste dump management			No waste dump created during the reported year. However dumps created earlier are maintained in safe conditions by afforesting the inactive parts of the dump.

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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.	NIL	
5b	Area under backfilling of mined out area	No Proposal.	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No Proposal.	NIL	
5d	Total area fully reclaimed and rehabilitated	No Proposal.	NIL	



5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not worked during the reporting year and no proposals of backfilling as the mineral persists at the depth and no mine pits are exhausted .
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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).	Annually .	Submitted for 2020-21	
6b	Area available for rehabilitation (ha) .	No Proposal.	No proposal.	
6c	afforestation done (ha).	0.2247 Ha waste land within lease	0.35 Ha	
6d	No. of saplings planted during the year	1000	2500	
6e	Cumulative no .of plants	Data not available	Data not available	--
6f	Any other method of rehabilitation	No Proposal.	NA	NA
6g	Cost incurred on watch and care during the year	2.25 lakh rupees	Around 2.5 lakhs	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No Proposal.	NA	--
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No Proposal.	NA	--

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No Proposal.	NA	--
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No Proposal.	NA	--
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No Proposal.	NA	--
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	0.2247 Ha by afforestation	0.35Ha by afforestation	--
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.2247 Ha	0.35Ha	--
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	Plantation	--
6p	Compliance of environmental monitoring (core zone and buffer zone)	Regular monitoring	Mine was not operational	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Even though the mine was non operational during the reporting year, R & R activities are carried out complying with the earlier proposals of PMCP and ICFRE recommendations on reclamation activities.

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 Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	40025	0	Mine was not operational.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanized	0	Mine was not operational.
7c	Different grade of mineral sorted out at mines.	Size wise by screening	NIL	Mine was not operational.
7d	Any beneficiation process at mines .	No Proposal.	NA	--
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Mineral conservation aspect is taken care of and it is reported by the lessee that they have proposals of establishing beneficiation plant in the lease or in the vicinity. With this it can be concluded that the lessee is aiming in mineral conservation and value adding to it by beneficiation.

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 Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal.	NA	--
8b	Concurrent use or storage of topsoil	No Proposal.	NA	--

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	Not done as no workings.	Mine was not operational
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal.	NA	--
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal.	NA	--
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Available	MAINTAINED	--
8g	Survival rate	80%	80%	--
8h	Water sprinkling on roads to control airborne dust	Proposed	Mine was not operating	--
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			During the year 2020-21 the mine was non operational . However environment parameters are monitored post resumption of mining in August 2021 and has maintained good greenary in and around the mine resulting in good asthetic beauty in the surrounding.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Submitted up to 31st March 2021	Periodically submitted
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Mine was not in operation during the reporting period
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current OC working 3.780 REclaimeid/Rehabilitated 0.225 Used for waste disposal 1.562 Plant, building etc 0.564 Other purpose 9.419 Total 15.550	NIL
9d	Scrutiny of Annual return on afforestation		Planted 1500 plants within the lease area Planted 600 plants outside lease area
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	Mine has not been operated during the reporting period.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Old stock reported	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	No sales during the reporting period
9h	Scrutiny of Annual return on fixed assets	Reported Rs.90.00 lacs in plant and machinery. Present value reported as Rs.41,47,200/-	-

9k	Scrutiny of Annual return on mining machineries	1. Wheel loader- not in working condition 2. Water tanker- in working condition 3. Generator (Diesel) working condition 4. Crusher- Working condition.	NIL
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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed				Show couse position	
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	03/01/2021	21/02/2022		

**Date :**

**(H M Shivakumar)**

Indian Bureau of Mines