

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/NLG/LST-10/HYD

Mine code : 38APR14009

- (i) Name of the Inspecting : **RK13**) **A.V.Ramesh Kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Jwannes Reddy, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 03/09/2021
- (v) Prev.inspection date : 18/02/2020

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SRISANKARA**
- (b) **Registration NO.** : **IBM/6499/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : **TELANGANA**
- District : **NALGONDA**
- Village : **MELLACHERUVU**
- Taluka : **MELLACHERUVU**
- Post office : **MELLACHERUVU**
- Pin Code : **508246**
- FAX No. : **91-40-23076543**
- E-mail : **keerthi.mines2014@gmail.com**
- Phone : **040-23076543,23076539**
- (f) Police Station : **MELLACHERUVU**
- (g) First opening date : **26/04/1986**
- (h) Weekly day of rest : **SUN**
2. Address for : **MELLACHERUVU VILLAGE & MANDAL**
correspondance : **NALGONDA DISTRICT**
A.P
3. (a) Lease Number : **APR0098**
- (b) Lease area : **141.7**
- (c) Period of lease : **50**
- (d) Date of Expiry : **23/04/2036**
4. Mineral worked : **LIMESTONE** Main

5. Name and Address of the

Lessee : KEERTHI INDUSTRIES LTD
 PLOT.NO.40, IDA ,BALANAGAR
 HYDERABAD TELANGANA
 Phone:040-23076538,23076539
 FAX :040-23076543

Owner : J.SESHAGIRI RAO
 M/S. KEERTHI INDUSRIES
 LTD., PLOT NO. 40, IDA,
 BALANAGAR HYDERABAD-37
 HYDERABAD TELANGANA
 Phone: 040-23076538
 FAX : 040-23076543

Agent : Varkala Seenaiiah
 M/S. KEERTHI INDUSTRIES LTD
 MELLACHERUVU (V) & (M)
 NALGONDA DIST. NALGONDA
 TELANGANA
 Phone:
 FAX :

Mining Engineer

Name : G MAHENDRA,Full Time
 Qualification : B TECH MINING
 Appointment/ : 06/08/2018
 Termination date

Manager

Name : D Jwannes Reddy
 Qualification : B TECH MINING
 Appointment/ : 22/07/2016
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	15/09/2003
Plan/Scheme of Mining		Renewal under rule 24 MCR1960	11/10/2007
		Modif.of approved Mining Plan	09/12/2010
		Mining Scheme rule 12 MCDR1988	16/10/2012
		MP modif under 17(3) MCR 2016	13/11/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	It was proposed to drill 20 boreholes during the year 2020-21.1	During the inspection it was noticed that only 14 boreholes were drilled.	A violation letter for not carrying out exploration as proposed was issued to lessee on 06.09.2021
1b	Exploration over lease area for geological axis 1 or 2	---	Still Six boreholes to be carried out for covering the potentially mineralised area under G1 level.	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	--	G1=45.47 ha. G2=30.21 ha. G4=66.02 ha.	--
1e	Balance reserve as on 01/04/20	---	22.98 Million tonnes	None
1f	General remarks of inspecting officers on geology, exploration etc	---	None	Exploration as proposed was not carried out.A violation letter issued to lessee.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to develop the pit between the gridlines N 9600-10000 and E 5000-5300 and between RL 83-81 to RL 74 to 72.	The development being done as proposed.	None
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	None	None	There is no OB and topsoil in the lease.

2c	Stripping ratio or ore to OB ratio	None	Not Applicable	None
2d	Quantity of topsoil generation in m3	None	None	None
2e	Quantity of overburden generation in m3	None	None	None
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	None	None	None

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	It is proposed to work from One pit only.	There are two pits in the lease. One pit is old one and not being mined during the current proposal period.	None
3b	Quantity of ROM mineral production proposed	0.79 Million tonnes	0.64 Million tonnes	None
3c	Recovery of sailable/usable mineral from ROM production	--	The entire ROM being used in the cement plant of lessee.	None
3d	Quantity of mineral reject generation	None	None	None
3e	Grade of mineral rejects generation and threshold value declared.	None	None	None
3f	Quantity of sub grade mineral generation.	None	None	None
3g	Grade of sub grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	None	None	None

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	None
3j	Provision of drilling and blasting in mineral benches	115mm dia drill holes with blasting using ANFO Slurry and Nonel initiating system proposed	The same being carried out as proposed.	None
3k	Provision of mining machineries in mineral benches	It was proposed excavate and transport mineral by HEMM from mineral benches	Hydraulic shovel and tippers being used for excavation and transportation of mineral.	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	8 meters	8 meters	None
3m	Total area covered under excavation/pits	---	45.47 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	Nil	None	Noe
3o	Total area put in use under different heads at the end of year	---	Area under Pits - 45.47 ha area under infrastructure - 2.653 ha	None
3p	Production of ROM mineral during the last five year period as applicable	2016-17 - 0.78 million tonnes 2017-18 - 0.82 Million tonnes 2018-19 - 0.73 Million tonnes 2019-20 - 0.73 Million tonnes 2020-21 - 0.74 Million tonnes	2016-17 - 0.70 million tonnes 2017-18 - 0.50 Million tonnes 2018-19 - 0.59 Million tonnes 2019-20 - 0.64 Million tonnes 2020-21 - 0.64 Million tonnes	None

3q	General remarks of inspecting officers on method of mining etc.	None	None	The Mineral production is within the proposed limits.
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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)	None	None	None
4b	Location of topsoil, OB and mineral reject dumps	None	None	None
4c	Number of dumps within lease area and outside of lease area	None	None	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	None	Not Applicable	None
4e	Number of active and alive dumps.	None	None	None
4f	Number of dead dumps.	None	None	None
4g	Number of dumps established.	None	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	None	None	None
4i	Length of Retaining wall or garland drain all along dumps	None	None	None
4j	Number of settling ponds	None	None	None
4k	Specific comments of inspecting officer on waste dump management	None	None	None

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.	None	None	None
5b	Area under backfilling of mined out area	None	None	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	None	None
5d	Total area fully reclaimed and rehabilitated	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	No area matured for relcamation till 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 Annual report was submitted by the lessee in time	None
6b	Area available for rehabilitation (ha) .	None	None	None
6c	afforestation done (ha).	1 ha	1.8 ha	None
6d	No. of saplings planted during the year	2500	4000	None
6e	Cumulative no .of plants	---	17000 no.s	None
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	---	3,50,000/-	None

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	None	None	None
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	None	None	None
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	None	None	None
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	None	None	None
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	None	None	None
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	None	None	None

6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out quarterly monitoring of core and buffer zones regularly.	Regular monitoring of the environmental parameters in both Buffer and core zones regularly.	None
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None	None	None

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	None	The entire ROM being consumed in the cement plant of the lessee.	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None	None	None
7c	Different grade of mineral sorted out at mines.	None	None	None
7d	Any beneficiation process at mines	None	None	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None	None

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	---	There is no topsoil generation.	None
8b	Concurrent use or storage of topsoil	---	---	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	---	None	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	---	Except for the plantation made by lessee there is no other vegetation in the lease area.	None
8g	Survival rate	--	80%	None
8h	Water sprinkling on roads to control airborne dust	It was proposed to carry out dust suppression by water sprinkling.	Water sprinkling measures taken for dust suppression.	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	None	None

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	---	The Annual and Monthly returns submitted by lessee regularly.	None
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri G Mahendra and SriB Maheswara are reported as Mining Engineer and geologist.	The same was confirmed during the inspection.	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The area under pits was reported as 45.47 ha	Same was observed during the inspection.	None
9d	Scrutiny of Annual return on afforestation	4000 saplings planted during the year 2020-21	The same was observed during the inspection	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None	None	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The ROM reported during the year 2020-21 was 0.64 Million tonnes	The same was confirmed during the inspection.	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price reported was 196.07/- per tonne	the same was confirmed during the inspection.	None
9h	Scrutiny of Annual return on fixed assets	The fixed assets value reported was Rs.58,87,993/-	The same was not verified.	None.
9k	Scrutiny of Annual return on mining machineries	1. Shovel - 3 no.s 2. Air compressor - 1 no. 3. Wagon drill - 1 no. 4. Tipper - 6 no.s 5. Pumps - 2 no.s 6. water tanker - 1 no. 7. Generator - 1 no.	The same was observed during the inspection.	None

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)	06/09/2021			

Date :

(A.V.Ramesh Kumar)

Indian Bureau of Mines