

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/NLG/LST-7A/HYD

Mine code : 38APR14023

- (i) Name of the Inspecting : S11) SHAILENDRA KUMAR
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri N.Hari Prasad Rao,DGM(Mines)
Official with
Designation
- (iv) Date of Inspection : 26/11/2022
- (v) Prev.inspection date : 22/10/2020

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : SITAPURAM LEASE- II
- (b) **Registration NO.** : IBM/996/2011
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TELANGANA
- District : NALGONDA
- Village : DONDAPADU
- Taluka : KODAD
- Post office : DONDAPADU
- Pin Code : 508246
- FAX No. : 08683235229
- E-mail : n.harprasadrhao@zcltd.com
- Phone : 08683235333
- (f) **Police Station** : SITAPURAM
- (g) **First opening date** : 10/03/1993
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : SITAPURAM,DONDAPADU
MELLACHERVU MANDAL
NALGONDA DISTRICT-508246
3. (a) **Lease Number** : APR0068
- (b) **Lease area** : 776.49
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 02/05/2005
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : ZUARI CEMENT
 HALL 10TH MAIN ROAD
 JEEVANBHEEMANAGAR BANGLORE
 URBAN KARNATAKA
 Phone:0805207610
 FAX :0805207622

Owner : VIMAL KUMAR JAIN
 ZUARI CEMENTS LIMITED THE
 PALM DRIVE, TOWER A FLAT
 NO.302, SECTOR 66, GURGAON.
 GURGAON HARYANA
 Phone:
 FAX :

Agent : G.GOPALA KRISHNA MURTHY
 SITAPURAM WORKS DONDAPADU
 SURYAPET DISTRICT NALGONDA
 TELANGANA
 Phone: 08683235107
 FAX :

Mining Engineer

Name : Ramesh Kumar, Full Time
 Qualification : B Tech Mining
 Appointment/ : 10/06/2018
 Termination date

Geologist

Name : M.Ramakrishna Naidu, Full Time
 Qualification : Msc geology
 Appointment/ :
 Termination date

Manager

Name : N.HARIPRASAD RAO
 Qualification : BTECH MINING
 Appointment/ : 17/07/2014
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	30/07/2010
		Renewal under rule 24 MCR1960	13/09/2013
		MP review under 17(1) MCR 2016	09/12/2016
		MP modif under 17(3) MCR 2016	09/09/2020
		MP review under 17(1) MCR 2016	11/01/2022
		MP review under 17(1) MCR 2016	11/01/2022

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	77 boreholes were proposed to be drilled during the year 2021-22.	All the 77 boreholes were drilled in the previous year i.e. 2020-21.	No deviation
1b	Exploration over lease area for geological axis 1 or 2	It was proposed to upgrade entire potential mineralised area to G1 scale.	Entire Potential mineralised area upgraded to G1 scale.	No deviation.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	---	---	The proposed drilling was carried out in the previous year i.e. 2020-21. The expenditure incurred was Rs.1,49,27,822/-
1d	Balance area to be explored to bring Geological axis in 1 or 2	---	Nil	All the entire potentially mineralised area is explored under G1 scale.
1e	Balance reserve as on 01/04/20	----	The reserves as on 1.4.2022 are 379.052 million tonnes	None
1f	General remarks of inspecting officers on geology, exploration etc	---	---	The entire potentially mineralised zone is explored under G1 scale.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	It was proposed to carry out the production between N1859810 to N1859810 and E 394800 to E 394800	The same was noticed during the inspection.	No deviation noticed.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	As there is no OB or topsoil no proposal was made for making seperate benches in topsoil and overburden.	None	None
2c	Stripping ratio or ore to OB ratio	Nil	Nil	Nil
2d	Quantity of topsoil generation in m3	Nil	Nil	Nil
2e	Quantity of overburden generation in m3	Nil	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	---	----	As there is no topsoil and OB no proposal was made to handle the same. During the inspection overburden or topsoil was noticed in the lease.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit	One Pit	No deviation noticed.
3b	Quantity of ROM mineral production proposed	30,000 tonnes during 2021-22.	13,000 tonnes during 2021-22	No deviation noticed.
3c	Recovery of sailable/usable mineral from ROM production	Entire ROM is proposed to be consumed in the cement plant of the lessee company	Same was noticed during the inspection.	No deviation.
3d	Quantity of mineral reject generation	Nil	Nil	None
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	None

3f	Quantity of sub grade mineral generation.	Nil	Nil	None
3g	Grade of sub grade mineral generation	Nil	Nil	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	It was proposed to carry out drilling in the mineral benches by 115 mm dia ad blasting by ANFO.	The same was noticed during the inspection.	No deviation noticed.
3k	Provision of mining machineries in mineral benches	It was proposed to use dumpers for transporting the mineral	Same was noticed during the inspection.	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain bench height at 9 meters.	Same was noticed during the inspection.	No deviation noticed.
3m	Total area covered under excavation/pits	---	8.765 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	None
3o	Total area put in use under different heads at the end of year	---	Area under current workings - 8.765 ha Area under infrastructure - 24.810 ha	None

3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 0.6 Million tonnes 2018-19 - 0.6 Million tonnes 2019-20 - 0.6 Million tonnes 2020-21 - 0.6 Million tonnes 2021-22 - 30,000 tonnes	2017-18 - 0.2 Million tonnes 2018-19 - 0.28 Million tonnes 2019-20 - 0. Nil 2020-21 - 30,000 tonnes 2021-22 - 13,000 tonnes	No deviation observed.
3q	General remarks of inspecting officers on method of mining etc.	----	---	There is no deviation in the proposed method of mining and proposed mineral production.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	As there is no topsoil and overburden, no proposals were made for handling the same.	Same was noticed during the inspection.	No deviation noticed.
4b	Location of topsoil, OB and mineral reject dumps	Nil	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	None	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	---	---	as there are no overburden, no proposal was made for handling the same.

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 area mature for reclamation till date.As such no reclamation proposals were made.	No reclamation was observed during the inspection.	No deviation noticed.
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.	---	---	As no area was matured for reclamation, no proposals were made for reclamation.

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).	--	The annual report on PMCP submitted in time.	No deviation noticed.
6b	Area available for rehabilitation (ha) .	None	None	None
6c	afforestation done (ha).	0.45 ha	1.00 ha	No deviation noticed.
6d	No. of saplings planted during the year	900 no.s	1000 no.s	No deviation noticed.
6e	Cumulative no .of plants	----	11,212 no.s	None
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	----	Rs,2,50,000/- per year.	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 environmental monitoring.	quarterly monitoring of environmental parameters is being carried out regularly and the values of all parameters are within the permissible limits.	None
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	----	----	The lessee is carrying out all the measures for progressive mine closure as proposed.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	There was no proposal for grade-wise sorting in the lease.	Same was noticed during the inspection.	No deviation.
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	---	---	The entire ROM being consumed in the cement plant of lessee company.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	As there is no topsoil, no proposal was made for handling the same.	No topsoil was generated during the year 2021-22.	No deviation noticed.
8b	Concurrent use or storage of topsoil	None	None	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	None	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)	---	Lot of afforestation was observed in the lease which was done by the lessee.	No deviation noticed.
8g	Survival rate	80%	80%	None
8h	Water sprinkling on roads to control airborne dust	It was proposed to carry out dust suppression by way of water sprinkling by water tankers and drip irrigation.	Same was noticed during the inspection.	No deviation noticed.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	---	The overall aesthetic beauty in the lease can be termed as above average.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	----	Monthly and annual returns are submitted regularly	No deviation.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	sri ramesh Kumar and Sri Ramakrishna Naidu are appointed 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 Pit was 8.765 ha, Infrastructure was 24.810 ha	Same was confirmed during the inspection.	None
9d	Scrutiny of Annual return on afforestation	1000 no.s were planted	Same was confirmed during the inspection.	No deviation.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	None

9f	Scrutiny of Annual return on ROM stock and/or graded ore	30,000 tonnes	Same was confirmed during the inspection.	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine prices was reported as Rs.926.56/-	Same was confirmed during the inspection.	None
9h	Scrutiny of Annual return on fixed assets	No value for fixed assets was reported.	---	None
9k	Scrutiny of Annual return on mining machineries	One Shovel(Hydraulic). Two dumpers. One wagon drill	Same was noticed 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

Date :

(**SHAIENDRA KUMAR**)

Indian Bureau of Mines