

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

**MCDR inspection REPORT
Hyderabad regional office**

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

Mine code : 38APR14008

- (i) Name of the Inspecting : S11) SHAILENDRA KUMAR
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : SRI N.HARIPRASAD DGM(MINES)
Official with
Designation
- (iv) Date of Inspection : 25/11/2022
- (v) Prev.inspection date : 22/10/2020

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : SITAPURAM-I
- (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. : 08683-235229
- E-mail : N.HARPRASADRAO@ZCLTD.COM
- Phone : 08683-246721
- (f) **Police Station** : HUZURNAGAR
- (g) **First opening date** : 09/11/1993
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : SITAPURAM,DONDAPADU VILLAGE
KODAD TQ,DONDAPADU POST-508246
NALGONDA DISTRICT
3. (a) **Lease Number** : APR0478
- (b) **Lease area** : 558.71
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 11/11/2042
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
 Zuari cements sitapuram
 works, Dondapadu village
 NALGONDA TELANGANA
 Phone:
 FAX :

Mining Engineer

Name : Madhu babu, Full Time
 Qualification :
 Appointment/ : 19/06/2018
 Termination date

Geologist

Name : V VENKATESH, Full Time
 Qualification : MSC GEOLOGY
 Appointment/ :
 Termination date

Manager

Name : N Hari Prasad
 Qualification :
 Appointment/ : 17/07/2014
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	14/11/1996
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	19/10/2000
		Renewal under rule 22 MCR1960	12/11/2003
		Mining Scheme rule 12 MCDR1988	07/04/2005
		Modif.of approved Mining Plan	26/10/2006
		Mining Scheme rule 12 MCDR1988	06/05/2009
		MP review under 17(1) MCR 2016	09/12/2016
		MP review under 17(1) MCR 2016	14/12/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	17 boreholes were proposed	17 boreholes were drilled	No deviation noticed.
1b	Exploration over lease area for geological axis 1 or 2	----	The lessee drilled 17 boreholes.	Entire potentially mineralised zone is upgraded to G-1 Scale.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	----	Rs.16,68,570/-	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	None	None
1e	Balance reserve as on 01/04/20	---	268.738 Million tonnes	None
1f	General remarks of inspecting officers on geology, exploration etc	---	---	The lessee has carried out the proposed drilling of 17 boreholes during the year 2021-22. The entire potentially mineralised zone has been upgraded to 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 mining between sections CC, DD, EE, GG.	Same was noticed during the inspection.	No deviation noticed.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	As there is no topsoil and overburden, no proposal for handling the same was proposed	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	---	---	The lessee is developing the mine as proposed.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two Pits	Two Pits	No deviation noticed.
3b	Quantity of ROM mineral production proposed	1.59 Million tonnes duirng the year 2021-22	Actual ROM reported during the year 2021-22 was 1.18 Million tonnes.	No deviation noticed.
3c	Recovery of sailable/usable mineral from ROM production	Nil	Nil	The entire ROM being consumed in the cement plant of the lessee.
3d	Quantity of mineral reject generation	Nil	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	Nil	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 by machine using 115 mm dia and using ANFO.	Same was noticed during the inspection.	No deviation noticed.
3k	Provision of mining machineries in mineral benches	It was proposed use dumpers for transporting the mineral from mineral benches.	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 9 meters height.	Same was noticed during the inspection.	No deviation noticed.
3m	Total area covered under excavation/pits	---	83.70 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	Nil
3o	Total area put in use under different heads at the end of year	---	Pits - 83.70 ha Infrastructure - 52.62 ha	None
3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 1.6 Million tonnes 2018-19 - 1.6 Million tonnes 2019-20 - 1.6 Million tonnes 2020-21 - 1.6 Million tonnes 2021-22 - 1.6 Million tonnes	2017-18 - 1.0 Million tonnes 2018-19 - 1.0 Million tonnes 2019-20 - 0.94 Million tonnes 2020-21 - 1.25 Million tonnes 2021-22 - 1.18 Million tonnes	No deviation noticed.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Nil	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	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	None	None	as there was no topsoil and overburden, no proposals were 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.	There is no proposal for backfilling duirng the year 2021-22	No backfilling was carried out duirng the year 2021-22	No area matured for backfilling till date.

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	None

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 being submitted regularly to this office.	None
6b	Area available for rehabilitation (ha) .	None	None	None
6c	afforestation done (ha).	3 ha	3 ha	No deviation noticed.
6d	No. of saplings planted during the year	1500 no.s	1500 no.s	No deviation noticed.
6e	Cumulative no .of plants	----	57,960 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 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 environmental monitoring regularly by the lessee.	Regular environmental monitoring being carried out by the lessee.	None

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	---	---	All the measures as proposed in the Progressive Mine closure being implemented by the lessee.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	None	None	The entire ROM being consumed in the cement plant of lessee.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil	Nil	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
8a	Separate removal and utilization of topsoil (Rule 32)	None	None	None
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)	---	Except for the vegetation made by the lessee and natural bushes no other vegetation observed in the lease.	None
8g	Survival rate	80%	80%	None
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by using water sprinkling through water tankers.	Same was noticed during the inspection.	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	---	The Aesthetic beauty may be termed as Above average.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	---	The Anual and monthly return being submitted regulalry by the lessee.	None

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual return 2021-22, Sri Y.Madhu babu and Sri V.Venkatesh were appointed as Mining Engineer and geologist respectively.	Same was confirmed duirng the inspection.	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pits - 83.70 ha Infrastructure - 52.62 ha	Same was confirmed duirng the inspection.	None
9d	Scrutiny of Annual return on afforestation	1500 no.s wwere reported as planted during the year 2021-22	Same was confirmed duirng the inspection.	None
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	1.09 Million tonnes reported duirng the year 2021-22	Same was confirmed duirng the inspection.	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs.269.25 p	Same was confirmed duirng the inspection.	None
9h	Scrutiny of Annual return on fixed assets	Rs.33 crore rupees reported as the value of the fixed assets	No scrutiny was carried out for the same.	None
9k	Scrutiny of Annual return on mining machineries	Dumpers - 5 no.s Shovel - 1 no. Back Hoe - 2 no.s Drill machine - 1 no. Front end loader - 1 no. Explosive van - 1no. Dozer - 1 no. Pump - 1 no.	Same was noticed duirng 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 31(1)	30/11/2022			

Date :

(SHAIENDRA KUMAR)

Indian Bureau of Mines