

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/GNR/LST-55/HYD

Mine code : 38APR07069

- (i) Name of the Inspecting : **DP09**) **D.P.Ravi kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : S/Shri S.Brahmaiah, mines, Ch.Naresh Kumar, Mining En
Official with
Designation
- (iv) Date of Inspection : 19/06/2024
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PEDAGARLAPADU(377.523 HA)**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : GUNTUR
Village : PEDAGARLAPADU
Taluka : DACHEPALLI
Post office : PEDAGARLAPADU
Pin Code : 522437
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 27/03/2019
- (h) Weekly day of rest : SUN
2. Address for :
correspondance
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

5. Name and Address of the
Lessee : M/S.CHETTINAD CEMENTS
GUNTUR ANDHRA PRADESH
Phone:
FAX :

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 exploration was proposed during the year 2023-24	The entire potentially mineralised area is covered under G1 scale of exploration.	The entire potentially mineralised area is covered under G1 scale of exploration.
1b	Exploration over lease area for geological axis 1 or 2	No proposal during the year 2023-24	The entire potentially mineralised area is covered under G1 scale of exploration.	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	The entire potentially mineralised area is covered under G1 scale of exploration.	The entire potentially mineralised area is covered under G1 scale of exploration.
1e	Balance reserve as on 01/04/20		The reserves as 1.4.2024 are 441495208 tonnes	No comments to offer.
1f	General remarks of inspecting officers on geology, exploration etc		The lessee has carried out exploration over entire potentially mineralised area under G1 scale.	The lessee has complied with the provisions of MCDR, 2017 pertaining to drilling/exploration. The Limestone deposit of the Mining lease falls under the Palnadu basin which is equivalent of Narji formation of Kurnool basin.

Development :

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

2a	Location of development w.r.t.lease area	The development was proposed during 2023-24 between UTM co-ordinates: N 1828280 - N 1829097 E 365365 - E 365984	182837 - N 1829108 365370 -- E 365980	N E	Deviation has been observed for location of development. Accordingly, a violation letter has been issued to the lessee.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top soil is the only overburden which is of avg thickness of 1m. Separate top soil bench will be maintained.	As it was very Thin Layer of Top Soil is prevailing and preserving of the same separately for Plantation Purpose.		Nil
2c	Stripping ratio or ore to OB ratio	Nil	Nil		Nil
2d	Quantity of topsoil generation in m3	31258 cu.m	30319 cu.m		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				Deviation has been observed for location of development. Accordingly, a violation letter has been issued to the lessee.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	Nil

3b	Quantity of ROM mineral production proposed	2638050 t	3137000 t	Deviation has been observed for excess production. Accordingly, a violation letter has been issued to the lessee.
3c	Recovery of sailable/usable mineral from ROM production	It was proposed to use the entire ROM for the cement plant.	Same was noticed during the inspection.	No deviation.
3d	Quantity of mineral reject generation	Nil	Nil	There is no mineral reject in the lease.
3e	Grade of mineral rejects generation and threshold value declared.	None	None	None
3f	Quantity of sub grade mineral generation.	None	None	No sub grade material in the lease.
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	Drilling and blasting is proposed in ore.	Drilling with wagon drill being carried out and blasting using ANFO being done.	No comments.
3k	Provision of mining machineries in mineral benches	Yes	Yes, it was proposed to use HEMM for excavating and transporting the mineral from benches.	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	31.76 Ha	30.39Ha	No comments.
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	-----	Area covered under current workings=30.390 ha Area of infrastructure=5.850 ha Area used for garland drain & solar plant=6.780 ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	2019-20: 50,00,000 t 2020-21: 50,00,000 t 2021-22: 28,00,850 t 2022-23: 31,01,000 t 2023-24: 2638050 t	2019-20: 1,00,000 t 2020-21: 9,23,000 t 2021-22: 16,77,000 t 2022-23: 21,71,000 t 2023-24: 3137000 t	Deviation has been observed for excess production. Accordingly, a violation letter has been issued to the lessee.
3q	General remarks of inspecting officers on method of mining etc.	It was proposed by the lessee to produce 2638050 tonnes per year.	The lessee has produced 3137000 tonnes during 2023-24.	Deviation has been observed for excess production. Accordingly, a violation letter has been issued to the lessee.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	It is proposed to stack the topo soil generated.	The top soil generated is stacked seperatly.	Nil

4b	Location of topsoil, OB and mineral reject dumps	The top soil produced will be utilised along safety zone and for afforestation.	Top Soil So far utilized all along the safety zone of ML boundary at BP 66 to BP 68.	Top soil utilized for green belt development.
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	Nil
4e	Number of active and alive dumps.	Nil	Nil	Nil
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Nil	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.	There is no proposal for reclamation during the year 2023-24	No area mature for reclamation purpose during the year 2023-24.	No area mature for reclamation purpose during the year 2023-24.

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 reclamation purpose during the year 2023-24

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	Yes	No deviation.
6b	Area available for rehabilitation (ha) .	Nil	None	None
6c	afforestation done (ha).	1.05 ha	1.05 ha	No deviation
6d	No. of saplings planted during the year	2000	3795	No deviation.
6e	Cumulative no .of plants	----	18643	No comments.
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year		It was reported by the lessee that about Rs.10,00,000/- was incurred during the year 2023-24.	Nil

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 quarterly monitoring of the environmental parameters.	Regular quarterly monitoring of environmental parameters being carried out and the all the parameters are within permissible limits.	No deviation.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		The lessee is implementing all the proposals as made in the approved document related to Progressive Mine closure.	No deviation.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed that entire mineral produced would be utilised in the cement plant of the lessee.	Same was noticed duirng the inspection.	No deviation noticed.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	There is no proposal for grade-wise sorting.	No such grade wise sorting was noticed.	Nil
7c	Different grade of mineral sorted out at mines.	None	None	None
7d	Any beneficiation process at mines .	There is no proposal for any beneficiation at mines.	No beneficiation prcatise was noticed at the mines.	No deviation noticed.

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	There was no proposal for grade wise sorting or any other type of beneficiation at mines.	No such activities noticed duiirng the inspection.	No such activities noticed duiirng the inspection.
----	--	---	--	--

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	It is proposed to generate and stack the topsoil.	The same was noticed during the inspection.	No comments.
8b	Concurrent use or storage of topsoil	The top soil produced will be utilised for bund formation along safety zone and for afforestation	The top soil handled and utilized for bund formation & afforestation all along the Eastside of ML Boundary	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal as other than top soil no waste or overburden is proposed to be generated]	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal as other than top soil no waste or overburden is proposed to be generated	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	Nil

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	---	During the inspection it was observed that except for the plantation made by lessee, no other type of vegetation was noticed.	No coments to offer.
8g	Survival rate	90%	90%	No comments.
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by way of water sprinkling.	Same was noticed duirng the inspection	No deviation.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Lessee is implementing all the measures related to maintaining environmental balance.	The over all aesthetic beauty can be rated as above average.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	---	Monthly and Annual returns being submitted within the timelines	No deviation.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per theAnnual return 2023-24, Shri Ch.Naresh Kumar and Shri T.V. Rama Rao as Mining Engineer and Geologist respectively.	The same was noticed during the inspection.	No comments.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under workings=30.39 0 ha, Area for infrastructure =5.850 ha. Area covered under garland drain & solar plant=6.780 ha	The same was noticed during the inspection.	No comments.
9d	Scrutiny of Annual return on afforestation	As per Annual return 2023-24, total 3795 nos. of saplings were planted.	The same was noticed during the inspection.	No comments.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The Ex-mine price was reported as Rs.205.34 per tonnes	The same was checked and confirmed during the inspection.	No comments.
9h	Scrutiny of Annual return on fixed assets	The fixed assets value reported as per 2023-24 annual return was Rs. 281221840.	The same was not scrutinised.	No comments.

9k	Scrutiny of Annual return on mining machineries	The details of Mining machineries reported in the annual return 2023-24 are as follows:: 1) Back Hoe = 4 no.s 2) Tipper =12 nos. 3) Rock drill = 2 nos. 4) Explosive Van =01 no. 5) Water tanker =01, 6) Pumps= 01 no.	Same were confirmed duirng the inspection	No comments.
----	---	--	---	--------------

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)	09/07/2024			

Date :**(D.P.Ravi kumar)**

Indian Bureau of Mines