

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/RR/LST-1/HYD

Mine code : 38APR23001

- (i) Name of the Inspecting : **M017**) **MANISH K MAINDIRATTA**
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Shri Sharad Kumar, Shri Adil and others
Official with
Designation
- (iv) Date of Inspection : 14/11/2019
- (v) Prev.inspection date : 20/02/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KARANKOTE**
- (b) **Registration NO.** : **613**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : **TELANGANA**
- District : **RANGAREDDY**
- Village : **KARANKOTE**
- Taluka : **TANDUR**
- Post office : **CCI TANDUR**
- Pin Code : **501158**
- FAX No. : **08411-247218**
- E-mail : **miningccitandur@mail.com**
- Phone : **08411-247223**
- (f) Police Station : **KARANKOTE**
- (g) First opening date : **12/01/1983**
- (h) Weekly day of rest : **SUN**
2. Address for : **CEMENT CORPORATION OF INDIA,**
correspondance : **TANDUR CEMENT FACTORY,**
: **TANDUR, R.R. DIST.**
3. (a) Lease Number : **APR0069**
- (b) Lease area : **255.15**
- (c) Period of lease : **20**
- (d) Date of Expiry : **21/01/1994**
4. Mineral worked : **LIMESTONE** Main

5. Name and Address of the

Lessee : CEMENT CORPORATION OF INDIA LTD
 CORE-V, SCOPE COMPLEX
 7, LODHI ROAD, NEW DELHI
 110003 ADILABAD TELANGANA
 Phone:
 FAX :

Owner : B N V PRASAD
 CORE 5, SCOPE COMPLEX, 7
 LODHI DELHI DELHI
 Phone:
 FAX :

Agent : B.M.Mahana
 Tandur Cement factory ,
 karankote RANGAREDDY
 TELANGANA
 Phone:
 FAX :

Mining Engineer

Name : Deepak Kumar Adil, Full Time
 Qualification :
 Appointment/ :
 Termination date

Geologist

Name : Manish Kumar Shukla, Full Time
 Qualification :
 Appointment/ :
 Termination date

Manager

Name : Sharad Kumar
 Qualification :
 Appointment/ :
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Renewal under rule 22 MCR1960	19/11/2004
		Mining Scheme rule 12 MCDR1988	12/10/2012
		MP modif under 17(3) MCR 2016	30/09/2016
		MP review under 17(1) MCR 2016	08/01/2019

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Backlog as on 1/4/2018 =43	2018-19= 45 (1300m)	
1b	Exploration over lease area for geological axis 1 or 2	nIL	Nil	Entire area is under G1 level of exploration
1c	Exploration Agencies and Expenditure in lakh rupees during the year		2611700/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20	As on 18/7/2018 Reserves- 233.36mT Remaining resource- 77.71mT	Depletion from 19/7 18 to 31/3/19- 535540 T Bal res- 232.825mT	Total mineral resource =66.08mT- Depletion 0.16 mT (160000 T) 2018-19= 0.631mT (640000T)
1f	General remarks of inspecting officers on geology, exploration etc	Exploratory boreholes have been closed in the limestone zone only. There is mineral continuity down below.		

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area			
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Required to be worked separately as per rule	Worked separately where ever generated.	

2c	Stripping ratio or ore to OB ratio	NA	NA
2d	Quantity of topsoil generation in m3	114000 cu m	Cum gen-28100 T (@1.2T/cu m=23416 cu m)
2e	Quantity of overburden generation in m3	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development is less due to less demand from the plant .	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	1492600T (2018-2019)	630500 T (2018-19) 2019-20 247000T up 14/11/2019	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	
3j	Provision of drilling and blasting in mineral benches	Yes	110mm dia drill machine is used, slurry explosive (packed) is used as column charge with detonating fuse and relay is initiating system.	
3k	Provision of mining machineries in mineral benches	Yes	Shovel-3 Two-3.7 cu m and 1 of 2 cu m) Dumpers -2 Nos of 35T Tippers- 8 Nos of 25 T	Hired machineries are used. % availability and utilization
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	8 m	8 m	
3m	Total area covered under excavation/pits	94.90 hectare till 2023-24	76 ha. till 2018-19	
3n	Ore to OB ratio for the pit/mine during the year.	NA	NA	
3o	Total area put in use under different heads at the end of year	160.46 ha till 2023-24	122.13 ha till 2018-19	
3p	Production of ROM mineral during the last five year period as applicable	2015-16 : 1,60,000 T 2016-17 : 1497510 T 2017-18 : 1,497750 T 2018-19 = 1492600T 2019-20= 1099875 T	2015-16 :947375 T 2016-17 : 800000 T 2017-18 : 721000 T 2018-19=630500 T 2019-20= 247000 till date	2014-15: 950000 T EC& CoP= 1.5mTpa
3q	General remarks of inspecting officers on method of mining etc.			

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Yes	Top soil is being used for green belt development
4b	Location of topsoil, OB and mineral reject dumps		Top soil generated has been used for plantation	
4c	Number of dumps within lease area and outside of lease area	1	1	Old stabilized dump of about 10m height developed at the time of opening of mine is still there.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Separate stack for top soil was proposed outside UPL	However the soil produced has been completely utilized for plantation.	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	1	1	
4g	Number of dumps established.	1	1	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal		Stabilised by plantation. Retaining wall may be proposed for the purpose.garland drain is there on the side of the dump.
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	NIL	NIL	

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal for backfilling	Not done . mine has extended upto 430 mRL.
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)	Nil	Used as and when generated.
5d	Total area fully reclaimed and rehabilitated	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		

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).	To be submitted as per rule	No	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	No proposal	Nil	
6d	No. of saplings planted during the year	1000 plants over 0.45 hectare in ML in 2018-19	Undertaken along haul road as replacement	
6e	Cumulative no .of plants	Done regularly		
6f	Any other method of rehabilitation			

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	1492600T (2018-2019)	630500 T (2018-19)	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	
7c	Different grade of mineral sorted out at mines.	No sorting proposed	Entire mineral produced is used after simultaneous blending as a cement grade material.	
7d	Any beneficiation process at mines	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	Generated & utilised	
8b	Concurrent use or storage of topsoil	Proposed	Undertaken	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	No new dump created over burden. Waste rock, rejects and fines	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not done	

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)	500 over 0.45 ha in 2018-19	1000 saplings planted
8g	Survival rate	70%	74%
8h	Water sprinkling on roads to control airborne dust	Yes	Provided 10 and 12 KL capacity
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Mine in general is maintained properly. However the aesthetics around workshop and office may be improved.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to A.R. Submitted up to	Up to Oct 2019 Up to 2017-18	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	No deviation observed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	No deviation observed	

9d	Scrutiny of Annual return on afforestation	Yes	Plantation has been done .
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes	Nil reported as observed
9f	Scrutiny of Annual return on ROM stock and/or graded ore	O/B = 0 T, Prod-630500T Desp 630500T Closing balance = NIL	As reported
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	Ex mine price is Rs194.66 PMT
9h	Scrutiny of Annual return on fixed assets	Yes	As reported
9k	Scrutiny of Annual return on mining machineries	m/c deployed	m/c information to be submitted correctly.

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed		Show cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(MANISH K MAINDIRATTA)

Indian Bureau of Mines