

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

**Review and updation of Mining Plan REPORT**

**Hyderabad regional office**

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

**Mine code :** 38APR23001

- (i) Name of the Inspecting : **DP09** ) **D.P.Ravi kumar**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : **SHRI MANISH SUKLA, GEOLOGIST AND SHRI K.PRABHAKAR RED**  
Official with  
Designation
- (iv) Date of Inspection : 29/11/2018
- (v) Prev.inspection date : 27/10/2017

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KARANKOTE**
- (b) **Registration NO.** :
- (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 : SRI B.V.N. PRASAD DIRECTOR (HUMANRESOURCES)  
 S/O  
 SRIB.G.K.MURTHY,CCILTDCORE  
 5 SCOPE COMPLEX,7-LODI  
 ROAFD NEW DELHI DELHI DELHI  
 Phone:  
 FAX : (011)24364555,2

Agent : VIVEK KUMAR  
 TANDUR CEMENT FACTORY CCI  
 TANDUR RANGAREDDY  
 TELANGANA  
 Phone: (08411)247221/223  
 FAX : (08411)247243

Mining Engineer  
 Name : P.K.SINHA,Full Time  
 Qualification : B.TECH(MINING)  
 Appointment/ : 12/01/2008  
 Termination date

Manager  
 Name : PANKAJ KUMAR SINHA  
 Qualification : B.TECH MINING, FCC  
 Appointment/ : 12/01/2008  
 Termination date

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

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No backlog.	Not applicable	Nil
1b	Exploration over lease area for geological axis 1 or 2	43 Boreholes	30 holes completed and rest under progress.	The review of Mining Plan is approved.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	M/s Ravengo Rock diamond core drilling. Rs 26,11,700.00	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Notr applicable	Nil
1e	Balance reserve as on 01/04/20	186.405 Million Tons	186.405 Million Tons	Nil
1f	General remarks of inspecting officers on geology, exploration etc	Nil	Nil	Exploration is being carried out as proposed in the approved mining plan.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N763400 - N763600 & E1915800 - E1916200	N763400 - N763600 & E1915800 - E1916200	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	01 benches of (0.2-0.5) m height.	01 benches of (0.2-0.5) m height.	Nil
2c	Stripping ratio or ore to OB ratio	1:0.05	1:0.05	Nil
2d	Quantity of topsoil generation in m3	50000	38050	Nil
2e	Quantity of overburden generation in m3	No proposal.	Not applicable	Nil

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Nil	Nil	Mine development as per proposal.
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**Exploitation:**

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	Nil
3b	Quantity of ROM mineral production proposed	14,97,750 tons	7,21,000.00 tons	Lessee informed that due to lack of demand in market for cement, prodcutin is lower side.
3c	Recovery of sailable/usable mineral from ROM production	100% (Fully usable)	100% Fully usable	As per proposal
3d	Quantity of mineral reject generation	No proposal.	No proposal.	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Not applicable.	Nil
3f	Quantity of sub grade mineral generation.	No proposal.	Not applicable	Nil
3g	Grade of sub grade mineral generation	No proposal.	Not applicable.	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised.	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed.	Nil	Nil

3j	Provision of drilling and blasting in mineral benches	Yes, there is provision of drilling and blasting in the present scheme of mining.	Drilling and blasting has been used for production.	Nil
3k	Provision of mining machineries in mineral benches	Shovel -2 Nos Dumper- 2 Nos Dozer - 1 No. Rock drill- 1 no. Air compressor- 1 no.	Shovel -2 Nos Dumper- 2 Nos Dozer - 1 No. Rock drill- 1 no. Air compressor- 1 no.	As per proposal.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	As per proposal.
3m	Total area covered under excavation/pits	76 Ha	76 Ha	As per proposal.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.05	1:0.05	Nil
3o	Total area put in use under different heads at the end of year	119.6 ha	119.6 ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	2013-14= 998400, 2014-15= 9,50,000 2015-16= 9,47,375 2016-17= 14,97,510 2017-18= 1497750	2013-14=810000, 15= 9,50,000, 9,47,375, 800000, 721000	Nil
3q	General remarks of inspecting officers on method of mining etc.	Nil	Nil	Exploitation of mineral is being carried out as per approved proposals.

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)	Top soil: 01 Mineral reject :NA	Top soil: 01 Mineral reject :NA	As per proposal.
4b	Location of topsoil, OB and mineral reject dumps	N 762700- N762800 & E 1915300- E1915400	N 762700-N762800 & E 1915300-E1915400	Nil
4c	Number of dumps within lease area and outside of lease area	Within lease area: 01 no	Within lease area: 01 no	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	N 762700- N762800 & E 1915300- E191540	N 762700-N762800 & E 1915300-E191540	Nil
4e	Number of active and alive dumps.	01	01	Nil
4f	Number of dead dumps.	No mdead dump.	No dead dump.	Nil
4g	Number of dumps established.	No dump is stabilized completely	No dump is stabilized completely	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes	Nil
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall: 60 m, Garland drain: 45 m	Retaining wall: 60 m, Garland drain: 45 m	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Nil	Nil	One active dump as per proposed location is observed.

#### 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.	Not proposed as No part is fullyextracted .	Not applicable	Nil

5b	Area under backfilling of mined out area	Not proposed	Not applicable	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Topsoil Will Be utilized for plantation.	Topsoil utilized for plantation.	As per proposal.
5d	Total area fully reclaimed and rehabilitated	No Proposal	Not applicable	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Nil	No proposal for backfilling and reclamation, and no work has been undertaken	No area is matured for backfilling.

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	As per proposal.
6b	Area available for rehabilitation (ha) .	Nil	Nil	Nil
6c	afforestation done (ha).	Yes, 0.35 Ha (715 Saplings)	Yes, 0.35 Ha (715 Saplings)	As per proposal.
6d	No. of saplings planted during the year	715 saplings	715 saplings	As per proposal.
6e	Cumulative no .of plants	29081	29081	Nil
6f	Any other method of rehabilitation	No proposal.	Nil	Nil
6g	Cost incurred on watch and care during the year	Rs 200000.00	Rs 200000.00	As per proposal.

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Nil	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Not applicable	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Nil	Nil



6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring is being done to measure environmental parameters.	Monitoring is being done to measure environmental parameters.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Work is being carried out as per proposal given in PMCP.	Work is being carried out as per proposal given in PMCP.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	1497750 t	810000 t	Due to lack of demand.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	As per proposals.
7c	Different grade of mineral sorted out at mines.	Not in Proposal	Whole ROM is despatched to own captive cement plant.	Whole ROM is despatched to own captive cement plant.
7d	Any beneficiation process at mines	Not in Proposal.	Not applicable.	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Nil	As per proposal	As per proposal

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes, Topsoil generated and utilized for plantation.	Yes, Topsoil generated and utilized for plantation.	As per proposal.

8b	Concurrent use or storage of topsoil	For plantation.	For Plntataion.	As per proposal.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Top soil: 1nos	Top soil: 1nos	As per proposal.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not in proposal.	Not applicable	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not in proposal.	Not applicable	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes, 0.35 Ha (715 Saplings).	Yes, 0.35 Ha (715 Saplings).	As per proposal.
8g	Survival rate	< 60 %	< 60 %	Nil
8h	Water sprinkling on roads to control airborne dust	Water Sprinkling on all dust generating points i.e. haul road, loading points	A water tanker is deployed in mines for water sprinkling on all dust generating points on regular basis.	As per proposal.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		No threat to aesthetic beauty .Plantation is being carried out as per proposals.Lessee is taking care of environment protection.	No threat to aesthetic beauty Plantation is being carried out as per proposals.Lessee is taking care of environment protection.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly return submitted up to December 2018 and Annual return submitted for the year 2017-18.	Monthly return submitted up to December-2018 and Annual return submitted for the year 2017-18.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given.	Shri P.K.Sinha, Mining Engineer, Shri Ajit Sukla, Geologist Shri P.K.Sinha, Manager.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given.	Are covered under workings=73 ha Reclaimed/rehabilitated=11 ha Plant, buildings, residential & roads=32.600 ha.	Nil
9d	Scrutiny of Annual return on afforestation	Given	Given	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral rejects or subgrade mineral generated.	No mineral rejects or subgrade mineral generated.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	721000 t	721000 t	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Given	Nil
9h	Scrutiny of Annual return on fixed assets	Given	Rs 4,02,21,109.00	Nil
9k	Scrutiny of Annual return on mining machineries	Given	Excavator -2 Nos Dumper- 2 Nos Dozer - 1 No. Rock drill- 1 no. Air compressor- 1 no.	Nil

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**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 :

(D.P.Ravi kumar)

Indian Bureau of Mines