

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

MCDR INSPECTION REPORT

Hyderabad regional office

Mine file No : AP/RR/LST-4/HYD

Mine code : 38APR23003

- (i) Name of the Inspecting : **RA15**) **Rajesh Kumar Das**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : sri T S Ganesh Rao, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 27/01/2016
- (v) Prev.inspection date : 26/02/2013

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SANGAMKALAN NO. 2**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : **TELANGANA**
District : **RANGAREDDY**
Village : **SANGAMKALAN**
Taluka : **TANDUR (MANDAL**
Post office : **MALKAPUR**
Pin Code : **501147**
FAX No. : **040-28521526**
E-mail : **vcil@rediffmail.com**
Phone : **044-8592562**
- (f) Police Station :
- (g) First opening date : 15/07/2002
- (h) Weekly day of rest : SUN
2. Address for : **VISAKA CEMENT IND. LTD.**
correspondance : **MALKAPUR, TANDUR(M)**
RANGA REDDY DIST.
3. (a) Lease Number : **APR1350**
- (b) Lease area : **112.68**
- (c) Period of lease : **20**
- (d) Date of Expiry : **03/09/2018**
4. Mineral worked : **LIMESTONE** Main

5. Name and Address of the

Lessee : THE INDIA CEMENTS LTD
 DHUN BUILDING 827, ANNA
 SALAI CHENNAI CHENNAI CITY
 TAMIL NADU
 Phone:282521526
 FAX :28520638

Owner : T.S.RAGHUPATHY
 SANGAMKALAN TANDUR
 RANGAREDDY AP RANGAREDDY
 TELANGANA
 Phone: 46324
 FAX : 08411-46302

Agent : K.SUBRAMANYAM
 MALKAPUR TANDUR MANDAL
 RANGAREDDY DISTRICT
 RANGAREDDY TELANGANA
 Phone: 08411-242302
 FAX :

6. Date of approval of Mining	:	Modif.of approved Mining Plan	07/12/2003
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	24/02/2005
		Modif.approved Mining Scheme	07/03/2008
		Mining Scheme rule 12 MCDR1988	04/08/2010
		MP modif under MCR 1960	24/08/2015

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2014-15-NIL 2015-16-NIL	2014-15-1196 meter core drilling, 2015-16-NIL.	
1b	Exploration over lease area for geological axis 1 or 2	G1	As per the proposal in G1 axis.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		NRDC Ltd.,56.21 lacs.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	exploration broadly done in G1 axis.	
1e	Balance reserve as on 01/04/20		77 million tons	
1f	General remarks of inspecting officers on geology, exploration etc		The deposit is almost flat deposit and exploration covered avg. G1 category.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Southern boundary	As per proposal.	---
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No separate bench	small amount top soil generated used for afforestation.	top soil thickness 0.1-1.5 mtr.
2c	Stripping ratio or ore to OB ratio	No OB generation.	NA	
2d	Quantity of topsoil generation in m3	14307	Negligible	
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	The development is with o/c working having 6 nos benches with avg bench height 8 meter.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 pit	1 pit	
3b	Quantity of ROM mineral production proposed	2.4 million tons	1.031 million tons	
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 deep hole drilling & blasting.	As per proposal.	

3k	Provision of mining machineries in mineral benches	yes ginen with shovel dumper combination.	As per proposal.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	yes
3m	Total area covered under excavation/pits		31.35 ha.
3n	Ore to OB ratio for the pit/mine during the year.		no OB generation.
3o	Total area put in use under different heads at the end of year		
3p	Production of ROM mineral during the last five year period as applicable	12000000 MT	53.23 lakhs.
3q	General remarks of inspecting officers on method of mining etc.		The method of mininis as per proposal.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NA	NA	---
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	no top soil,OB,mineral reject generation.
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	

4e	Number of active and alive dumps.	Nil	Nil
4f	Number of dead dumps.	Nil	Nil
4g	Number of dumps established.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA
4i	Length of Retaining wall or garland drain all along dumps	NA	NA
4j	Number of settling ponds	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management		No waste generation 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.	NA	NA	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)			top soil generation is negligible and if appears used for afforestation.
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Area not 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).	---	submitted	Yearly Expenditure.
6b	Area available for rehabilitation (ha) .		Nil	
6c	afforestation done (ha).		16 ha.	
6d	No. of saplings planted during the year		1000 nos	
6e	Cumulative no .of plants		89786 nos saplings	
6f	Any other method of rehabilitation	NA	NA	
6g	Cost incurred on watch and care during the year			
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	NA	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	area not matured for backfilling.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	NA	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA
6m	Compliance of rehabilitation of waste land within lease (i)afforestation		
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)		
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation		
6p	Compliance of environmental monitoring (core zone and buffer zone)	quaterly	complied.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	NA	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	
7c	Different grade of mineral sorted out at mines.	NA	NA	

7d	Any beneficiation process at mines	NA	NA
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		The ROM directly feed into crusher blending low grade with high grade .

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	Top soil generation negligible.
8b	Concurrent use or storage of topsoil		for plantation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		Done	
8g	Survival rate		85%	

8h	Water sprinkling on roads to control airborne dust	water tanker for dust control.	As per proposal regular water spraying.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		No adverse impact observed.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Rrturns submitted upto December 2015. Annual Return submitted upto 2014-15.		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	o/c working- 31.35 ha., infra & roads-1.54 ha, greenbelt-9 ha.		
9d	Scrutiny of Annual return on afforestation	2900 nos within lease & 3585 outside lease		
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	23292 MT		
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	148.50 Rs		

9h	Scrutiny of Annual return on fixed assets	Not furnished
9k	Scrutiny of Annual return on mining machineries	Information furnished.

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 :**(Rajesh Kumar Das)**

Indian Bureau of Mines