

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

**MCDR INSPECTION REPORT
Hyderabad regional office**

Mine file No : AP/RR/LST-3/HYD

Mine code : 38APR23002

- (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, DGM(Mines)
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. 1**
- (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 : 501157
- FAX No. :
- E-mail : NIL
- Phone : 46324
- (f) **Police Station** : Karankote
- (g) **First opening date** : 15/10/1998
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/S INDIA CEMENTS LIMITED
93, KARPAGAM AVENUE
CHENNAI, TAMIL NADU
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 : R.K.DAS
 DHUN BLDG 827, ANNASALAI
 CHENNAI CITY TAMIL NADU
 Phone: 04428521526
 FAX : 04428520638

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

Mining Engineer

Name : T.S.GANESH RAO, Full Time
 Qualification : AMIE, M.A, MBA
 Appointment/ : 06/04/2001
 Termination date

Geologist

Name : K.SRINIVAS, Full Time
 Qualification : M.Sc(Tech)
 Appointment/ : 16/11/1998
 Termination date

Manager

Name : T.S.GANESH RAO
 Qualification : AMIE, M.A, MBA
 Appointment/ : 02/07/2001
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	23/09/1998
Plan/Scheme of Mining	:	Fresh under rule 22 MCR1960	24/08/2000
	:	Modif.approved Mining Scheme	07/12/2003
	:	Mining Scheme rule 12 MCDR1988	07/03/2008
	:	Mining Scheme rule 12 MCDR1988	12/02/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2014-15:315, 2015-16:235	2014-15:260, 2015-16:503.	NIL.
1b	Exploration over lease area for geological axis 1 or 2	2014-15:G1, 2015-16:G1.	2014-15:G1. 2015-16:G1	NIL.
1c	Exploration Agencies and Expenditure in lakh rupees during the year		N.R.D.C.S LTD-15LAC. 2015-16-14.5 LACS.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	NIL.Completed Brought to G1 Catogory.
1e	Balance reserve as on 01/04/20	16.8 million as on 2015		---

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Southern side of ML	As per proposal.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	14307 cu. m top soil generation proposed.		
2c	Stripping ratio or ore to OB ratio	No OB generation.	NA	
2d	Quantity of topsoil generation in m3	14307 m3		
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		---	No overburden present in mines.Enntire deposit is usable only.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	---
3b	Quantity of ROM mineral production proposed	1600000 MT		
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	Deep hole drilling blasting.	As per proposal	
3k	Provision of mining machineries in mineral benches	Shovel dumper combination.	As per proposal.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	8 meter bench height.	suitable for present mining method.	

3m	Total area covered under excavation/pits	29.38 ha. upto 31.03.2013 & 12.39 addition in present scheme period.	
3n	Ore to OB ratio for the pit/mine during the year.	No OB generation proposed.	NA
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		
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)	only topsoil generation	used for plantation.	
4b	Location of topsoil, OB and mineral reject dumps	NE of pit soil dump.	As -per proposal.	
4c	Number of dumps within lease area and outside of lease area	one	one	
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 major waste generation.

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)	NA	NA	
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
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	1.5 ha.		

6d	No. of saplings planted during the year	1000 nos	
6g	Cost incurred on watch and care during the year	500000 Rs	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	NA	NA
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring.	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 to crusher and waste generation is negligible. The low grade blend with high grade to consume maximum limestone.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	
8b	Concurrent use or storage of topsoil		for plantation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	no waste proposed	No waste generation.	
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)		Last scheme period around 5000 nos sapling planted T presently 1000 yearwise propsed.	
8g	Survival rate		80%	

8h	Water sprinkling on roads to control airborne dust	waterspraying proposed	provided
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		No adverse impact observed on aesthetic beauty.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Regularly submitted,AR submitted for 2014-15		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager			
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.			
9d	Scrutiny of Annual return on afforestation			
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)			
9f	Scrutiny of Annual return on ROM stock and/or graded ore			
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost			
9h	Scrutiny of Annual return on fixed assets			

9k Scrutiny of
Annual return on
mining
machineries

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