

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

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-190/HYD

**Mine code :** 38APR11130

- (i) Name of the Inspecting : **S41** ) **Y M SIVA PRASAD**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : S.R. Bose, Mines Manager.  
Official with  
Designation
- (iv) Date of Inspection : 07/07/2017
- (v) Prev.inspection date : 08/11/2016

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **JSW LIMESTONE MINE**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : ANDHRA PRADESH  
District : KURNOOL  
Village : BILAKALAGUDUR  
Taluka : GADIVEMULA  
Post office : GADIVEMULA  
Pin Code : 518508  
FAX No. :  
E-mail :  
Phone : 08514202304,202305
- (f) Police Station : Gadivemula
- (g) First opening date : 01/04/2008
- (h) Weekly day of rest : SUN
2. Address for : Bilakalgudur village,  
correspondance Gadivemula Mandal  
Kurnool district.
3. (a) Lease Number : APR2820
- (b) Lease area : 617.57
- (c) Period of lease : 20
- (d) Date of Expiry : 24/04/2028
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : JSW CEMENTS  
 403, SAI RAM ENCLAVE  
 SRINIVAS NAGAR NANDYAL  
 KURNOOL ANDHRA PRADESH  
 Phone:  
 FAX :

Owner : RAJIV DUBE  
 ADITYA BIRLA CENTRE, SK  
 AHIRE MARG, WORLI MUMBAI  
 (SUBURBAN) MAHARASHTRA  
 Phone:  
 FAX :

Agent : G.Veerababu  
 Village:Bilakalagudur  
 P.O.:Gadivemula Kurnool  
 KURNOOL ANDHRA PRADESH  
 Phone: 08514202304  
 FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	16/10/2007
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	02/12/2008
	:	Modif.of approved Mining Plan	21/08/2012
	:	Mining Scheme rule 12 MCDR1988	07/10/2013

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	N I L	N I L	
1e	Balance reserve as on 01/04/20		94.084 Million tonnes	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N1352 TO N1800 & E1 814 TO E ,2200	N1352 TO N1800 & E1 814 TO E ,2200	
			N 289 TO N846 & E 1000 TO E1600	
		N 289 TO N846 & E 1000 TO E1600		
			245m RL TO 212m RL	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	N I L	N I L	
2c	Stripping ratio or ore to OB ratio	1 : 0.181	1 : 0.181	
2d	Quantity of topsoil generation in m3	38214	22616	
2e	Quantity of overburden generation in m3	812820	110865	

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	One	
3b	Quantity of ROM mineral production proposed	4466422 MT	1340883 MT	
3d	Quantity of mineral reject generation	N I L	N I L	
3e	Grade of mineral rejects generation and threshold value declared.	Sio2 more than 18%.	Sio2 more than 18%.	
3f	Quantity of sub grade mineral generation.	223321 tonnes.	25739 tonnes	
3g	Grade of sub grade mineral generation	16-- 18%	16 18%	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised Method.	Mechanised Method.	
3j	Provision of drilling and blasting in mineral benches	Conventional deep hole drilling and blasting.	Conventional deep hole drilling and blasting.	

3k	Provision of mining machineries in mineral benches	SHOVEL (MECHANICAL) 2.300 CUM 1 Non Electrical Opencast SHOVEL (MECHANICAL) 1.100 CUM 2 Non Electrical Opencast TIPPER 18.000 CUM 7 Non Electrical Opencast TIPPER 16.000 CUM 3 Non Electrical Opencast WATER TANKER 8000.000 LITRE 1 Non Electrical Opencast WHEEL LOADER 1.480 CUM 1 Non Electrical Opencast ROCK DRILL (NON-ELEC.) 0.300 MM 1 Non Electrical Opencast EXPLOSIVE VAN 10.000 TONNE 1 Non Electrical Opencast AIR COMPRESSOR 8.000 CUM/MN 1 Electrical Opencast PUMPS (ELEC.) 5000.000 L/MN 1 Electr	SHOVEL (MECHANICAL) 2.300 CUM 1 Non Electrical Opencast SHOVEL (MECHANICAL) 1.100 CUM 2 Non Electrical Opencast TIPPER 18.000 CUM 7 Non Electrical Opencast TIPPER 16.000 CUM 3 Non Electrical Opencast WATER TANKER 8000.000 LITRE 1 Non Electrical Opencast WHEEL LOADER 1.480 CUM 1 Non Electrical Opencast ROCK DRILL (NON-ELEC.) 0.300 MM 1 Non Electrical Opencast EXPLOSIVE VAN 10.000 TONNE 1 Non Electrical Opencast AIR COMPRESSOR 8.000 CUM/MN 1 Electrical Opencast PUMPS (ELEC.) 5000.000 L/MN 1 Electr
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3l Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM      Bench height : 8 meters.      Yes suitable for method of Mining.

Bench height : 8 meters.

Bench width : more than 8 meters.

Bench width : More than 8 meters.

3m Total area covered under excavation/pits      45.77 ha.      43.82 ha.

3n Ore to OB ratio for the pit/mine during the year.      1 : 0.181      1 : 0.181

3o Total area put in use under different heads at the end of year

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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.	
4b	Location of topsoil, OB and mineral reject dumps	North side of the Lease area.	The same was obsewrved on date of inspection.	
4c	Number of dumps within lease area and outside of lease area	One	One	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond UPL.	Beyond UPL.	
4e	Number of active and alive dumps.	Two	Two	

4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes.
4i	Length of Retaining wall or garland drain all along dumps	495 meters.	Garland drain length is 495 meters.

#### 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 Applicable	Not Applicable	

#### 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).	Yearly report to be submitted.	Lessee has submitted Yearly report for the year 2016-17.	
6d	No. of saplings planted during the year	2500 SAPLINGS	12600 SAPLINGS	
6e	Cumulative no .of plants		999967 Saplings	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitering to be carried out in respect of Air, Water,NAOISE ETC.	Monitering is being done on Quarterly basis and results are within permissible limit.	

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	4243101 Tonnes	1440000 Tonnes.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised.	Mechanised.
7d	Any beneficiation process at mines	Crushing and Screening.	Crushing and Screening.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes, top layer is removed seperately and stocked at designated area.	Yes, top soil is removed seperately and stacked, further some portion was utilised for plantation purpose.	
8b	Concurrent use or storage of topsoil	Yes.	Yes. Utilised for plantation purpose.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)			
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2500 PLANTS.	3000 Plants.	
8g	Survival rate		77%	
8h	Water sprinkling on roads to control airborne dust	Ees.	Yes. Water sprinkling is being done by water tanker.	

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## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual returns should be submitted regularly as per statue.	Monthly returns and Annual return are being submitted through On-line.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer : Shri Shrawan Kumar Shukla.	Mining Engineer : Shri Shrawan Kumar Shukla.	Geologist : Shri Ritesh Chattaraj.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Under Mining : 43.820 ha.	It is observed more or less same.	
		Waste dump & sub--Grade mineral : 9.440 ha.		
		Roads, Green belt, Cement Plant : 274.760 ha.		
		Total : 328.02 HA.		
9d	Scrutiny of Annual return on afforestation	12600 Saplings	12255 saplings.	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	N I L	N I L
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Production : 1315144 MT	Production : 1315144 MT
			Despatch : 1440000 MT
		Despatch : 1440000 MT	Stack : 25739 MT.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Stack : 25739 MT.	Ex- mine price Ex- mine price : Rs : Rs 181.91. 181.91.

9k	Scrutiny of Annual return on mining machineries	SHOVEL (MECHANICAL) 2.300 CUM 1 Non Electrical Opencast SHOVEL (MECHANICAL) 1.100 CUM 2 Non Electrical Opencast TIPPER 18.000 CUM 7 Non Electrical Opencast TIPPER 16.000 CUM 3 Non Electrical Opencast WATER TANKER 8000.000 LITRE 1 Non Electrical Opencast WHEEL LOADER 1.480 CUM 1 Non Electrical Opencast ROCK DRILL (NON-ELEC.) 0.300 MM 1 Non Electrical Opencast EXPLOSIVE VAN 10.000 TONNE 1 Non Electrical Opencast AIR COMPRESSOR 8.000 CUM/MN 1 Electrical Opencast PUMPS (ELEC.) 5000.000 L/MN 1 Electr	SHOVEL (MECHANICAL) 2.300 CUM 1 Non Electrical Opencast SHOVEL (MECHANICAL) 1.100 CUM 2 Non Electrical Opencast TIPPER 18.000 CUM 7 Non Electrical Opencast TIPPER 16.000 CUM 3 Non Electrical Opencast WATER TANKER 8000.000 LITRE 1 Non Electrical Opencast WHEEL LOADER 1.480 CUM 1 Non Electrical Opencast ROCK DRILL (NON-ELEC.) 0.300 MM 1 Non Electrical Opencast EXPLOSIVE VAN 10.000 TONNE 1 Non Electrical Opencast AIR COMPRESSOR 8.000 CUM/MN 1 Electrical Opencast PUMPS (ELEC.) 5000.000 L/MN 1 Electr
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**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 :

(Y M SIVA PRASAD)

Indian Bureau of Mines