

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

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KSN/LST-17/HYD

**Mine code :** 38APR10010

- (i) Name of the Inspecting : **25** ) **SHRI IBRAHIM SARIF**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 20/09/2016
- (v) Prev.inspection date : 10/07/2014

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **JAGGAYYAPETA**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : ANDHRA PRADESH  
District : KRISHNA  
Village : BUDDAWADA  
Taluka : JAGGAYYAPETA  
Post office : LIMESTONE TOWNSHIP  
Pin Code : 521175  
FAX No. : 08652- 222358  
E-mail : vspjlm@yahoo.co.in  
Phone : 08652-222358, 222373
- (f) Police Station : jaggayyapet
- (g) First opening date : 23/03/1989
- (h) Weekly day of rest : SUN
2. Address for : RINL LIMESTONE MINE  
correspondance : JAGGAYYAPET  
KRISHNA DIST.
3. (a) Lease Number : APR0199
- (b) Lease area : 1295
- (c) Period of lease : 20
- (d) Date of Expiry : 08/08/2020
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : RASHTRIYA ISPAT NIGAM LTD.  
 VISAKHAPATNAM STEEL PLANT  
 VISAKHAPATNAM  
 VISAKHAPATNAM ANDHRA  
 PRADESH  
 Phone:0891-  
 FAX :0891-

Owner : UMESH CHANDRA  
 ADMN BUILDING,RINL/VSP.  
 VISAKHAPATNAM ANDHRA  
 PRADESH  
 Phone:  
 FAX : dir.opr@vizagst

Agent : SRI C N S SASTRY  
 JAGGAYYAPETA LIMESTONE MINE  
 RINL, VSP, BUDAWADA VILL.  
 JAGGAYYAPET TQ KRISHNA  
 ANDHRA PRADESH  
 Phone:  
 FAX : 0854 222358

## Mining Engineer

Name : SRI C N S SASTRY,Full Time  
 Qualification : B.E.(Mines)  
 Appointment/ : 12/04/2007  
 Termination date

## Manager

Name : VIJAY KUMAR  
 Qualification : B.SC ENGG & FCC  
 Appointment/ : 31/03/2009  
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	30/11/2001
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	16/05/2005
		Modif.approved Mining Scheme	06/07/2006
		Mining Scheme rule 12 MCDR1988	19/10/2010
		Mining Scheme rule 12 MCDR1988	21/10/2015

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	15 NO. OF BORE HOLES	NIL	violations was pointed out for non exploration
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20		Proved Mineral Reserves(111) - 32.45 MT Prefeasibility Mineral Reserves(221) - 3.60 MT Measured Mineral Resource(331) - 40.02 MT Indicated Mineral Resource(332) - 86.50 MT Reconnaissance Mineral Resource(334) - 181.00 MT	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N-679700 to N-680200 & E2749200 to E-2749700	No variations are observed	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NA	NA	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil	Nil	

## Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	2 No's	2 No's	

3b	Quantity of ROM mineral production proposed	7,80,000 Tons	3,54,764 Tons
3c	Recovery of sailable/usable mineral from ROM production	100% Recovery	100% Recovery
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA
3j	Provision of drilling and blasting in mineral benches	The conventional drilling-blasting & opencast mechanized mining method is practiced during exploitation of limestone. Ammonium nitrate based slurry explosives in cartridge form of 83mm dia are being used for blasting of deep holes of 115mm dia	The conventional drilling-blasting & opencast mechanized mining method is practiced during exploitation of limestone. Ammonium nitrate based slurry explosives in cartridge form of 83mm dia are being used for blasting of deep holes of 115mm dia
3k	Provision of mining machineries in mineral benches	a) Shovel: 4.6 m3 - 1 (supported by 3.2 m3 standby) b) Dumpers 35 T - 4 no's c) Drill machine - Revathi C-60H, 115mm dia - 1 (IBH 10 drill as standby)	a) Shovel: 4.6 m3 - 1 (supported by 3.2 m3 standby) b) Dumpers 35 T - 4 no's c) Drill machine - Revathi C-60H, 115mm dia - 1 (IBH 10 drill as standby)
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	3.90 Ha	2.80 Ha
3o	Total area put in use under different heads at the end of year	Excavation : 50.40, Mineral Storage : 7.20, Infrastructure : 15.52, Railways : 4.60, Mineral Seperation Plant : 1.82, Township area : 21.00 & Magazine : 1.05	Area degraded is within approved proposals.
3p	Production of ROM mineral during the last five year period as applicable		Year Production(t) 2011-12 4,38,148 2012-13 4,18,272 2013-14 4,01,807 2014-15 3,44,402 2015-16 3,54,764

---

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Nil	Nil	

---

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	

---

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).	Needs to be submitted yearly	Submitted for the year 2015-16
6d	No. of saplings planted during the year	450 @ 1.00 Ha.	450 @ 1.00 Ha.
6e	Cumulative no .of plants		148270 @ 93.20 Ha.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring of Air, Water & Noise	Periodically monitoring the Air, Water and Noise, all parameters within the permissible limits

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area		Year Dispatch (t) 2011-12 4,70,252 2012-13 4,10,192 2013-14 4,40841.6 2014-15 351567.3 2015-16 366271.2	
7d	Any beneficiation process at mines	Crushing and screening	Crushing and screening	

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation Inside mining lease  No. of trees Area in Ha Rate of Survival Carried out up to the end of 2014-15 1,47,820 92.20 69.66% During the year 2015-16 450 1.00 70% Cumulative 1,48,270 93.20 69.66%
8h	Water sprinkling on roads to control airborne dust	Permanent water sprinkling system is operating along the Haul road up to crusher and water tanker also in mines premises.

---

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitting the Monthly and Annual returns as per the provisions of rules	Monthly returns have been submitted regularly	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Statutory persons like Manager, Mining Engineer, Geologist - should be appointed as per statute	a) Manager - Appointed b) Mining Engineer - Appointed c) Geologist - Appointed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	a) Covered under current (O/C) Workings - 36.80 Ha. b) Used for waste disposal - 9.31 Ha. c) Occupied by plant, buildings, residential, welfare buildings & roads - 127.47 Ha.	No changes in land use than the submission is observed	

9d	Scrutiny of Annual return on afforestation	450 Saplings @ 1.00 Ha.	Found planted
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening stock @ 13638.81 t Production @ 354764 t Dispatch @ 366271.20 t Closing stock @ 2131.61 t	The detail furnished are found same
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		
9h	Scrutiny of Annual return on fixed assets	Depreciation on fixed assets @ Rs.1,50,57,520 /-	Depreciation on fixed assets @ Rs.1,50,57,520/-



9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) 4.50 CUM, 1 no. Non Electrical SHOVEL (HYDRAULIC) 3.20 CUM  no. Non Electrical FRONT END LOADER 4.20 CUM  1 no. Non Electrical FRONT END LOADER  4.80 CUM  no. Non Electrical DUMPER  35.00 TONNE 5 Non Electrical BLAST HOST DRILL  115.00 MM 3 Non Electrical AIR COMPRESSOR  11.00 CUM/MIN 1 Non Electrical	Machineries furnished above are observed in the fird
----	--	--	--

---

**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
Rule 13(1)	21/11/2016				
Rule 27(4)	21/11/2016				

**Date :****(SHRI IBRAHIM SARIF)**

Indian Bureau of Mines