

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/CDP/LST-21/HYD

Mine code : 38APR04011

- (i) Name of the Inspecting : **25**) **SHRI IBRAHIM SARIF**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sri M Baskar Reddy, Manager (Mines)
Official with
Designation
- (iv) Date of Inspection : 03/03/2018
- (v) Prev.inspection date : 15/10/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **THIPPALUR**
- (b) **Registration NO.** : **IBM/6527/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : ANDHRA PRADESH
District : CUDDAPAH
Village : THIPPALUR
Taluka : YERRAGUNTALA
Post office : SUNKESULA
Pin Code :
FAX No. : 08578-286688
E-mail :
Phone : 08578-286650
- (f) Police Station : YERRAGUNTALA
- (g) First opening date : 07/12/2001
- (h) Weekly day of rest : SUN
2. Address for : THIPPALUR(V)
correspondance : YERRAGUNTALA(M)
CUDDAPAH DT.
3. (a) Lease Number : APR1180
- (b) Lease area : 40.47
- (c) Period of lease : 20
- (d) Date of Expiry : 23/06/2021
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : SRIKALAHASTHIPIPES LIMITED
RACHAGUNNERI SRIKALAHASTHI
MANDAL CHITTOOR ANDHRA
PRADESH
Phone:
FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	22/01/2001
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	15/12/2006
		Mining Scheme rule 12 MCDR1988	12/08/2013

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No back log	Nil	
1b	Exploration over lease area for geological axis 1 or 2	15.58	15.58 Ha	
1d	Balance area to be explored to bring Geological axis in 1 or 2	2.1 Ha	But no proposal for the year 2017-18	
1e	Balance reserve as on 01/04/20	5757667	5773492- 2016-17 5703492- 2017-18	2016-17

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N 1616036- N1616136 E 239302- E239470	Mininf operations found carried out within the area approved	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes separate bench for OB and top soil to be maintained	Benches of top soil, ore benches found maintained separately	
2c	Stripping ratio or ore to OB ratio	1 :0.02	1 :0.112	
2d	Quantity of topsoil generation in m3	2800 cum	7653 T	
2e	Quantity of overburden generation in m3	Nil	Nil	

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2016-17 84125 2017-18- 84500	2016-17 68300 2017-18- 70000	

3c	Recovery of sailable/usable mineral from ROM production	100%	100%
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil, entire ore generated from the ore zone is being utilised by blending
3h	Manual / Mechanised method adopted for segregating from ROM	No segregation is required as per the approved document. But all the operations are mechanised only	All the operations are mechanised only
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposal is there in approved document	Not applicable
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling & blasting is to be carried out for exploitation	Deep hole drilling and blasting is being practiced.

3k	Provision of mining machineries in mineral benches	Type of Capacity of No.of units	Type of Capacity of No.of units	
		machinery each unit	machinery each unit	
		SHOVEL) 0.900 CUM 1	SHOVEL) 0.900 CUM 1	
		AIR COMPRESSOR 7.000	AIR COMPRESSOR 7.000	
		SHOVEL) CUM/MN 1	SHOVEL) CUM/MN 1	
		0.900 CUM 1 TIPPER	0.900 CUM 1 TIPPER	
		AIR COMPRESSOR 10.000 CUM 2	AIR COMPRESSOR 10.000 CUM 2	
		7.000 CUM/MN 1 WATER TANKER 5000.000	7.000 CUM/MN 1 WATER TANKER 5000.000	
		TIPPER LITRE 2	TIPPER LITRE 2	
		CRUSHER	CRUSHER	
		10.000 CUM 2 30.000 T/H 1	10.000 CUM 2 30.000 T/H 1	
		WATER TANKER CRUSHER	WATER TANKER CRUSHER	
		5000.000 LITRE 15.000 T/H 1	5000.000 LITRE 15.000 T/H 1	
		2 JEEP/TRACTOR 40.000 HP	2 JEEP/TRACTOR 40.000 HP	
		CRUSHER 1	CRUSHER 1	
		ROCK DRILL 115.000 MM 1	ROCK DRILL 115.000 MM 1	
		30.000 T/H 1	30.000 T/H 1	
		CRUSHER	CRUSHER	
		15.000 T/H 1	15.000 T/H 1	
		JEEP/TRACTOR	JEEP/TRACTOR	
		40.000 HP	40.000 HP	
		1	1	
		ROCK DRILL	ROCK DRILL	
		115.000 MM 1	115.000 MM 1	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	5 m	5 m and is suitable for the production capacity of the mine	
3m	Total area covered under excavation/pits	8.24	8.24	In Ha
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.02	1 : 0.112	
3p	Production of ROM mineral during the last five year period as applicable	2013-14- 84744 2014-15 196020 2015-16 196416 2016-17 84125 2017-18 84500	2013-14- 53900 2014-15 55800 2015-16 64500 2016-17 68300 2017-18 70000	

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)	Yes seperate dumping of top soil was proposed	Top soil generated utilised for plantation
4b	Location of topsoil, OB and mineral reject dumps	Within 7.5 m buffer zone	Within 7.5 m buffer zone
4c	Number of dumps within lease area and outside of lease area	one	one, On Northern side of the lease area
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Nil
4j	Number of settling ponds	One	One

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.	No area matured for backfilling	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil generated is to be utilised for plantation in 7.5 m buffer zone	Yes top soil found utilised for plantation	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		NO area is matured for backfilling in the lease hence no reclamation and rehabilitation activity is applicable to this mine	

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).	To be submitted yearly as per statute	Sibmitted for the year 2016-17	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.2 Ha	0.35 Ha	
6d	No. of saplings planted during the year	200 sapplings	530 within lease and 2000 outside lease	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	On South Western side of the lease area plantation is being carried	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitering is to be carried out in respect of Air, Water, Noise,	Monitoring is being conducted regularly.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No sorting and sizing in the lease area	Crushing operation is being carried out in the lease	
7d	Any beneficiation process at mines	Dry crushing and screening	Followed as per approved proposals.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil has to be remoed and kept seperately which can be utilised for plantation purpose	Top soil found stacked seperately and being utilised for plantation	

8b	Concurrent use or storage of topsoil	For plantation	Found utilised for plantation
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not applicable as no area matured for backfilling	Nil
8h	Water sprinkling on roads to control airborne dust	Water sprinkling to be carried out to suppress the dust at source	Water sprinkling is being carried out

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be submit regularly	Regularly submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer in charge P.Bhaskar Reddy Geologist in charge M.Rama Subba Reddy	Mining Engineer in charge P.Bhaskar Reddy Geologist in charge M.Rama Subba Reddy	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Already exploited & abandoned by 0 opencast (O/C) mining (ii) Covered under current (O/C) 3.8 Workings (iii) Reclaimed/Rehabilitated 0 (iv) Used for waste disposal 0.2 (v) Occupied by plant, buildings, 1.32 residential, welfare buildings & roads (vi) Other Purpose (0) 0 (vii) Work done under progressive mine 0 closure plan during the year	(i) Already exploited & abandoned by 0 opencast (O/C) mining (ii) Covered under current (O/C) 3.8 Workings (iii) Reclaimed/Rehabilitated 0 (iv) Used for waste disposal 0.2 (v) Occupied by plant, buildings, 1.32 residential, welfare buildings & roads (vi) Other Purpose (0) 0 (vii) Work done under progressive mine 0 closure plan during the year	VIOLATION POINTED OUT
9d	Scrutiny of Annual return on afforestation	530	530	
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	68300.00	68300.00	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Exmine price : Rs. 410, Cost of production- 410	Exmine price : Rs. 410, Cost of production- 410	VIOLATION POINTED OUT

9k	Scrutiny of Annual return on mining machineries	Type of Capacity of No.of SHOVEL (HYDRAULIC) 0.900 CUM 1 AIR COMPRESSOR 7.000 CUM/MN 1 TIPPER 10.000 CUM 2 WATER TANKER 5000.000 LITRE 2 CRUSHER 30.000 T/H 1 CRUSHER 15.000 T/H 1 JEEP/TRACTOR 40.000 HP 1 ROCK DRILL (NON-ELEC.) 115.000 MM 1	Type of Capacity of No.of SHOVEL 0.900 CUM 1 AIR COMPRESSOR 7.000 CUM/MN 1 TIPPER 10.000 CUM 2 WATER TANKER 5000.000 LITRE 2 CRUSHER 30.000 T/H 1 CRUSHER 15.000 T/H 1 JEEP/TRACTOR 40.000 HP 1 ROCK DRILL (NON-ELEC.) 115.000 MM 1
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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 :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines