

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT 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 : **RK13**) **A.V.Ramesh Kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri M Bhasker Reddy, Manager(Mines)
Official with
Designation
- (iv) Date of Inspection : 15/10/2016
- (v) Prev.inspection date : 27/05/2010

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 proposal for exploration	No exploration was carried out during 2015-16	None
1b	Exploration over lease area for geological axis 1 or 2	There are no proposals for exploration during the year 2015-16	Total area is covered under G2 category.	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	None
1e	Balance reserve as on 01/04/20	5.841 Million tonnes	5.841 Million tonnes as on 1.4.2016	None
1f	General remarks of inspecting officers on geology, exploration etc	None	None	None

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	It was proposed to work towards North side of the lease. RL 83 to RL 92	It was observed that the workings are as per the proposal	None
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It was proposed to have separate benches in ore and OB.	it was observed that there are separate benches in ore and OB.	None
2c	Stripping ratio or ore to OB ratio	1:0.02	1:0.02	None
2d	Quantity of topsoil generation in m3	There was no proposal for generation of Topsoil.	There was generation of topsoil during 2015-16.	None
2e	Quantity of overburden generation in m3	It was proposed to produce 19840 tonnes during 2015-16	The actual generation of OB is 5500 tonnes	None

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	None	None	None
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	it was proposed to work in the present pit only.	it was noticed that the proposal is for the present working pit.	None
3b	Quantity of ROM mineral production proposed	2011-12-Lapsed period 2012-13-Lapsed period 2013-14-84744 tonnes 2014-15-196020 tonnes 2015-16-196416 tonnes	2011-12-85250 tonnes 2012-13-69000 tonnes 2013-14-53900 tonnes 2014-15-55800 tonnes 2015-16-64500 tonnes	None
3c	Recovery of sailable/usable mineral from ROM production	90%	90%	None
3d	Quantity of mineral reject generation	None	None	None
3e	Grade of mineral rejects generation and threshold value declared.	None	None	None
3f	Quantity of sub grade mineral generation.	None	None	None
3g	Grade of sub grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	It was proposed to work by way of Fully mechanised means	It was observed that it is being worked as per the proposal.	None

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	None
3j	Provision of drilling and blasting in mineral benches	It was proposed to carry out drilling and blasting.	It was seen that,drilling and blasting is being done whenever required.	None
3k	Provision of mining machineries in mineral benches	It was proposed to maintain sufficient width for use of machineries to move on the benches.	It was seen that width for machineries to work has been maintained as per proposal	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain a height of 5-6m for each bench.	It was seen that height as per the proposal is being maintained.	None
3m	Total area covered under excavation/pits	It was proposed to cover an area of 4 ha	It was noticed that the total area under pits is 3.6 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	1:0.02	1:0.02	None
3o	Total area put in use under different heads at the end of year	it was proposed to put an area of 5.72 ha	It was observed that and area of 5 ha is under total heads as on 1.4.2016.	None
3p	Production of ROM mineral during the last five year period as applicable	2011-12-Lapsed period 2012-13-Lapsed period 2013-14-84744 tonnes 2014-15-196020 tonnes 2015-16-196416 tonnes	2011-12-85250 tonnes 2012-13-69000 tonnes 2013-14-53900 tonnes 2014-15-55800 tonnes 2015-16-64500 tonnes	None
3q	General remarks of inspecting officers on method of mining etc.	None	None	None

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposal for seperate dumping of waste was made.	It was noticed that the waste generated was being dumped seperately at the proposed place.	None
4b	Location of topsoil, OB and mineral reject dumps	It was proposed to dump the waste on western part of the lease.	It was noticed that the waste was dumped at the proposed place.	None
4c	Number of dumps within lease area and outside of lease area	It was proposed to maintain one dump.	It was seen that only one dump was maintained in the lease.	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	The dump was proposed at at RL 102	It was observed that the dump is at the proposed site.	None
4e	Number of active and alive dumps.	One active dump was proposed	One active dump was observed.	None
4f	Number of dead dumps.	None	None	None
4g	Number of dumps established.	None	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	None	None	None
4i	Length of Retaining wall or garland drain all along dumps	None	None	None
4j	Number of settling ponds	None	None	None
4k	Specific comments of inspecting officer on waste dump management	None	None	None

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 part of the lease was matured for reclamation	No reclamation was carried out durning the year 2015-16.	None

5b	Area under backfilling of mined out area	None	None	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	None	None
5d	Total area fully reclaimed and rehabilitated	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	None

Progressive Mine Closure Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	It was proposed to submit a annual report under rule 23E(2) of MCDR,1988.	No such report was submitted.A violation letter was issued for the same	None
6b	Area available for rehabilitation (ha) .	None	None	None
6c	afforestation done (ha).	It was proposed to afforest 0.55 ha with 1500 numbers.	During the year 800 plants were reported to have been planted with a survival rate of 38%.	None
6d	No. of saplings planted during the year	1500	800	None
6e	Cumulative no .of plants	1700	1700	None
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	Nil	it was reported by the lessee that he has incurred an expenditure of Rs60000/- duirng the year 2015-16 towards above mentioned head.	None

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	None	None	None
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal for reclamation was made.	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	None	None	None
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	None	None	None
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	None	None	None
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	None	None	None
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	None	None	None

6p	Compliance of environmental monitoring (core zone and buffer zone)	None	None	None
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None	None	None

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed to produce 196416 tonnes	It was reported that 64500 tonnes was reported during the year 2015-16	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None	None	None
7c	Different grade of mineral sorted out at mines.	None	None	None
7d	Any beneficiation process at mines .	None	None	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None	None

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There was no proposal for generation of topsoil	No topsoil was generated during the year 2015-16.	None

8b	Concurrent use or storage of topsoil	None	None	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	It was proposed to have a separate dump for waste.	It was seen that there was a separate dump earmarked for waste on the western side of the lease.	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No area has matured for reclamation during the year 2015-16.	No reclamation was done during the year 2015-16	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	None	Except for the plantation made by the lessee, no other plantation was noticed in the lease.	None
8g	Survival rate	70%	60%	None
8h	Water sprinkling on roads to control airborne dust	It was proposed to take dust suppression measures by way of water sprinkling in the lease area.	It was observed that water sprinkling measures have been taken for dust suppression.	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None	None	None

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly and annual returns are being submitted regularly	It was observed that monthly and annual returns are being submitted regularly and more or less found to be in order.	None
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	It was mentioned in Annual return that Sri M Bhasker reddy is Mining Engineer and Sri M Ramasubba Reddy is the Geologist	It was noticed at the time of inspection that the above mentioned persons are employed in the mine.	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	the total lease area is mentioned as 17.688 ha. Out of this area 3.750 ha is under workings and 1.320 ha is under planta/buildings etc.	it was observed during the inspection the above mentioned area was found to be in order.	None
9d	Scrutiny of Annual return on afforestation	it was reported in the annual return that 800 plants were planted with a survival rate of 38%.	It was noticed during the inspection that the above said figures are more or less in order.	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject was reflected in the annual return	It was noticed that no mineral reject was generated in the mine.	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	It was reported that the total production during the year was 634500 tonnes and overburden was 5633 tonnes	It was noticed during the inspection that the reported figures are in order.	None

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price was reported as Rs.374/-	---	---
9h	Scrutiny of Annual return on fixed assets	The net closing balance reported was 5854342/-	No verification of the same could be made.	None
9k	Scrutiny of Annual return on mining machineries	It was reported in the Annual return that one unit of Shovel, one unit of compressor, one truck, two crushers, one drill machine were reported in the anual return.	On the day of inspection drill unit, shovel compressor and crushers were noticed.	None

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 23E(2)	25/10/2016	17/11/2016			

Date :
(A.V.Ramesh Kumar)

Indian Bureau of Mines