

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

**MCDR inspection REPORT**

**Hyderabad regional office**

**Mine file No :** AP/VZNR/MN-121/HYD

**Mine code :** 40APR20063

- (i) Name of the Inspecting : **C\$10** ) **Ch.Suseela**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri.G.Ravi Sekhar, Agent and Sri.K.Sivaprasada Rao,  
Official with  
Designation
- (iv) Date of Inspection : 21/11/2017
- (v) Prev.inspection date : 22/10/2016

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SAI KRISHNA**
- (b) **Registration NO.** : **IBM/4237/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : VIZIANAGARAM
- Village : G.AGRAHARAM
- Taluka : TARLAM MANDLAM
- Post office : CHEEPURUPALLI
- Pin Code :
- FAX No. :
- E-mail :
- Phone :
- (f) Police Station : THARLAM
- (g) First opening date : 18/05/1981
- (h) Weekly day of rest : SUN
2. Address for : SGX Minerals Pvt.Ltd. D.No: 39-3-19/1, Phase-III  
correspondance Murali Nagar, Masjid Junction,  
VISAKHAPATNAM-530007
3. (a) Lease Number : APR0255
- (b) Lease area : 15.61
- (c) Period of lease : 20
- (d) Date of Expiry : 23/07/2021
4. Mineral worked : MANGANESE ORE Main

## 5. Name and Address of the

Lessee : M/S A.S.V.Prasad Mining Pvt.Ltd.  
 Flat No.304, Eshwar Homes,  
 1st Lane, Dwaraka Nagar,  
 VISAKHAPATNAM VISAKHAPATNAM  
 ANDHRA PRADESH  
 Phone:  
 FAX :

Owner : A.S.V.PRASAD  
 MINE OWNER, JAGANNADHARAJU  
 COLONY CHEEPURUPALLI (PO &  
 M) VIZIANAGARAM DT.  
 VIZIANAGARAM ANDHRA PRADESH  
 Phone:  
 FAX :

## Manager

Name : K.SIVA PRASADA RAO  
 Qualification : DIPLOMA IN MINING ENGINEERING  
 Appointment/ : 01/10/2016  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	14/06/2013
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	17/04/2015
		Mining Scheme rule 12 MCDR1988	29/07/2016

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	
1b	Exploration over lease area for geological axis 1 or 2	10 Core Bore Holes	NIL	Violation of Rule 11(1) issued to the party.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserve as on 01/04/20	64819 tonnes	64819 tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	Total mineralised area has been explored under G1 scale

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	South East side and pit No.2	South East side and pit No.2	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, Separate benches in Ore and OB	Yes, Separate benches in Ore and OB	
2c	Stripping ratio or ore to OB ratio	1:0.20	1:0.20	
2d	Quantity of topsoil generation in m3	407 m3	400 m3	Top soil is used for afforestation.
2e	Quantity of overburden generation in m3	62088.7 m3	60000 m3	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development is being carried out as per the approved proposals.
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit	One Pit	
3b	Quantity of ROM mineral production proposed	22956.21 tonnes	19,990 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	67% ore and 10% Sub grade	67% ore and 10% Sub grade	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable	
3f	Quantity of sub grade mineral generation.	1269 m3	300 m3	
3g	Grade of sub grade mineral generation	10 - 15% Mn	10 - 15% Mn	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Blending of Sub grade mineral	Blending of Sub grade mineral with high grade mineral and make it saleable.	
3j	Provision of drilling and blasting in mineral benches	No Proposal	NIL	Rock breaker is attached with excavator for removal of over burden in hard rock strata.

3k	Provision of mining machineries in mineral benches	NIL	NIL	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 3m ht in OB and 1.5m in Ore	Yes, 3m ht in 1.5m in Ore	OB and
3m	Total area covered under excavation/pits	3.8772 ha	3.149 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.20	1:0.20	
3p	Production of ROM mineral during the last five year period as applicable	2012-13-NIL, 2013-14-6,021 T, 2014-15-NIL, 2015-16-33,140.88 T, 2016-17-22,956.21 T	2012-13-NIL, 2013-14-6,006 T, 2014-15-NIL, 2015-16-18,340.29 T, 2016-17-19,990 T	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	Mining operations are being carried out under A OTFM category.

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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	Separate dumps are being maintained for OB and sub grade	
4b	Location of topsoil, OB and mineral reject dumps	OB Dump in North West side and Sub grade dump in South side	OB Dump in North West side and Sub grade dump in South side	
4c	Number of dumps within lease area and outside of lease area	Two dumps within the lease area	Two dumps within the lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond UPL	Beyond UPL	
4e	Number of active and alive dumps.	One active dump	One active dump	

4f	Number of dead dumps.	One	One	
4g	Number of dumps established.	One	One	
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall and garland drain Proposed	Retaining wall and garland drain constructed	
4i	Length of Retaining wall or garland drain all along dumps	295 m x 0.5 m x 1 m	295 m x 0.5 m x 1 m	
4j	Number of settling ponds	One	One	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	_____

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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.	NIL	NIL	
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)	NIL	NIL	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____	_____

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Progressive Mine Clousre Plan:

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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	Not submitted	Violation of Rule 26(2) has been pointed out to the lessee.
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	0.4 ha	0.4 ha	
6d	No. of saplings planted during the year	NIL	NIL	
6e	Cumulative no .of plants	_____	_____	
6f	Any other method of rehabilitation	Not Applicable	Not Applicable	
6g	Cost incurred on watch and care during the year	NIL	Rs.65,300/-	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NIL	NIL	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NIL	NIL	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	348	450
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not Applicable	Not Applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental parameters have to be monitored quarterly	Environmental parameters are being monitored quarterly
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting is proposed	Grade wise sorting is being done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	15% Mn and above	15% Mn and above	

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7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____	_____

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	407 m3	400 m3	
8b	Concurrent use or storage of topsoil	will be used for backfilling	Used for back filling	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Applicable	Not Applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	348	450	
8g	Survival rate	60%	60%	

8h	Water sprinkling on roads to control airborne dust	Yes	Yes
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	_____	_____

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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 are being submitted in time	Monthly and Annual Returns are being submitted in time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri.K.Sivaprasada Rao, Mines Manager and Mining Engineer, Sri.D.Sudhakar a Rao, Geologist	Sri.K.Sivaprasada Rao, Mines Manager and Mining Engineer, Sri.D.Sudhakar a Rao, Geologist	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pits- 4.501 ha, Reclaimed area- 0.131 ha, Area under dumps-3.063 ha	Area under pits- 3.149 ha, Reclaimed area- 0.131 ha, Area under dumps-3.063 ha	Violation pointed out to the party.
9d	Scrutiny of Annual return on afforestation	450 plants	450 plants	
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	507 closing stock	507 closing stock	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value- Rs.2450/-, Ex. Mine Price-Rs. 3550/- COP- Rs.2260/-	Sale Value-Rs.2450/-, Ex. Mine Price-Rs. 3550/- COP- Rs.2260/-	
9h	Scrutiny of Annual return on fixed assets	0	0	

9k Scrutiny of shovel, shovel, dumpers etc  
Annual return on dumpers etc  
mining  
machineries

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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
MCDR17	Rule 11(1)	12/12/2017	16/02/2018	MCDR17	Rule 27(1)	12/12/2017
MCDR17	Rule 26(2)	12/12/2017	16/02/2018	MCDR17	Rule 45(7)	12/12/2017 09/05/2018
MCDR17	Rule 27(1)	12/12/2017				
MCDR17	Rule 45(7)(a)	12/12/2017				

**Date :**

**(Ch.Suseela)**

Indian Bureau of Mines