

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

**MCDR inspection REPORT**

**Hyderabad regional office**

**Mine file No :** AP/VZNR/MN-24/HYD

**Mine code :** 40APR20046

- (i) Name of the Inspecting : S11 ) SHAILENDRA KUMAR  
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri Vishwanath Naidu, Manager(Mines)  
Official with  
Designation
- (iv) Date of Inspection : 04/03/2020
- (v) Prev.inspection date : 10/01/2018

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : DEVADA NEW
- (b) **Registration NO.** : IBM/536/2011
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : VIZIANAGARAM
- Village : DEVADA
- Taluka : GARIVIDI
- Post office : SHREERAMNAGAR
- Pin Code :
- FAX No. : 08952-282021
- E-mail : montymor@rediffmail.com
- Phone : 82041,82021
- (f) **Police Station** :
- (g) **First opening date** : 06/02/1995
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/S.R.B.S.S.D.&F.N.DAS  
DEVADA,(V),GARVIDI(M), 535101.  
SREERAMNAGAR(P) VIIANAGARAM
3. (a) **Lease Number** : APR1281
- (b) **Lease area** : 41.06
- (c) **Period of lease** : 10
- (d) **Date of Expiry** : 22/01/2015
4. **Mineral worked** : MANGANESE ORE Main

## 5. Name and Address of the

Lessee : M/S RBSSD &FN DAS  
M/S RBSSD &FN DAS PO  
SHREERAMNAGAR  
DIST:VZIANAGARAM  
VIZIANAGARAM ANDHRA PRADESH  
Phone: NIL.  
FAX : NIL

Owner : M/SRBSSD%F.N.DAS  
SREERAMNAGAR(P),  
VIZIANAGARAM VIZIANAGARAM  
ANDHRA PRADESH  
Phone: 0892-282041  
FAX :

Agent : D.SURYANARAYANA  
M/S.RBSSD&FNDAS  
SREERAMNAGAR GARVIDI  
VIZIANAGARAM ANDHRA PRADESH  
Phone:  
FAX :

## Mining Engineer

Name : P.S.K.KISHORE,Part Time  
Qualification : A.M.I.E  
Appointment/ : 03/05/2005  
Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	09/09/2004
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	25/01/2006
		Modif.approved Mining Scheme	16/01/2015

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	No exploration carried out during 2018-19 and 2019-20	None
1b	Exploration over lease area for geological axis 1 or 2	---	The entire lease hold is covered under G1 scale of exploration	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	None	None
1e	Balance reserve as on 01/04/20	---	572915 tonnes	None
1f	General remarks of inspecting officers on geology, exploration etc	---	---	None

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	it was proposed to work during the year 2018-19 between RLs 75 to 65.	The same was observed during the inspection	None
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	it was proposed to have 4 benches in OB	The same was noticed during the inspection	None
2c	Stripping ratio or ore to OB ratio	1:1.07	1.2	None
2d	Quantity of topsoil generation in m3	No topsoil generation was proposed during the year 2018-19	Actual topsoil generated during the year 2018-19 was 23500 tonnes	None

2e	Quantity of overburden generation in m3	21800 tonnes	23500 tonnes during 2018-19	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 produce from a single pit	production was noticed from single pit	None
3b	Quantity of ROM mineral production proposed	it was proposed to generated 80750 tonnes during 2018-19.	the actual production was 87000 tonnes	None
3c	Recovery of sailable/usable mineral from ROM production	None	None	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	---	none	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	--	The minng is being carriedo out by a combination of manual and mechanised method	None
3k	Provision of mining machineries in mineral benches	---	Three dumpers/loaders are observed duirng the inspection	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	it was proposed to maintain the height of the benches by 3 meters	During the inspection it was noticed that a gheight of 7-8 meters.accordingly a violastion letter was issued to the lessee.	None
3m	Total area covered under excavation/pits	--	Pits - 7.020 ha	none
3n	Ore to OB ratio for the pit/mine during the year.	1:1.07	1:2	none
3p	Production of ROM mineral during the last five year period as applicable	The production for the past five years is as follows 2015-16 - 77720 tonnes 2016-17 - 81125 tonnes 2017-18 - 75000 tonnes 2018-19 - 80750 tonnes	the actual production reported was 2015-16 2016-17 2017-18 2018-19	None

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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 seperate dumping proposals are made for OB.	Yes duirng the inspection, seperate dumping for waste was noticed	None
4b	Location of topsoil, OB and mineral reject dumps	---	Four active dumps were noticed on the eastern part of the lease.	None

4c	Number of dumps within lease area and outside of lease area	--	four dumps within the lease area.	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	South Eastern side of the lease.	Observed on the Southeastern side of the lease.	None
4e	Number of active and alive dumps.	---	four active and two dead dumps	None
4f	Number of dead dumps.	--	2 no.s	None
4g	Number of dumps established.	---	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	yes	A retaining wal was noticed during the inspection with following dimensions 850x2x1.5 metrs	none
4i	Length of Retaining wall or garland drain all along dumps	--	A retaining wal was noticed during the inspection with following dimensions 850x2x1.5 metrs	none
4j	Number of settling ponds	none	None	None
4k	Specific comments of inspecting officer on waste dump management	None	None	None

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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.	Not applicable	Not applicable	Not applicable
5b	Area under backfilling of mined out area	Not applicable	Not applicable	Not applicable
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	None	None

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5d	Total area fully reclaimed and rehabilitated	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	None

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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).	Annual reports are submitted regularly.	None	None
6b	Area available for rehabilitation (ha) .	None	None	None
6c	afforestation done (ha).	100 no.s	100 no.s	None
6d	No. of saplings planted during the year	100no.s	100 no.s	None
6e	Cumulative no .of plants	---	11500 no.s	None
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	---	250000/-	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	None	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)	---	The environmental parametrs are tested every quarter and found to be under permissible limits.	None
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None	None	None

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	it was proposed to produce 80750 tonnes during 2018-19.	The actual production reported during 2018-19 was 87180 tonnes.	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	It is proposed to sort the ore produced by way of mechanical sorting in grade wise.	The sorting is by way of a mechanical separator installed in the lease.	None
7c	Different grade of mineral sorted out at mines.	--	There are two grades being sorted. They are less than 25% Mn and between 25-35% Mn ore.	None
7d	Any beneficiation process at mines	---	None	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None	None

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Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None	None	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 develop a waste dump during 2018-19 of dimensions 174x100x7 meters height.	During the inspection four waste dumps have been noticed in the lease area.	None

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	---	None	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	--	There is no vegetation in the lease area other than the afforestation taken up by the lessee.	None
8g	Survival rate	70%	80%	None
8h	Water sprinkling on roads to control airborne dust	it was proposed to use water sprinkling for dust suppression measures	During the inspection, water sprinkling is carried out for dust suppression.	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	None	None

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Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	---	The lessee has been submitting monthly and Annual return regularly.	None
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	--	As per the Annual return 2018-19 submitted by the lessee the Mining engineer is Sri Ashok reddy and Sri prasad Rao is the geologist`	None

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	---	As per the Annual return 2018-19 the total are put to use under various heads are as follows Mining - 7.020 ha Waste dump - 7.698 ha Roads & plants - 1.438 ha	None
9d	Scrutiny of Annual return on afforestation	proposed to plant 500 no.s	Actualt planted 1500 no.s duirng 2018-19	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None	None	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	---	The ROM reported duirng 2018-19 was 87180 tonnes	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	---	The ex-mine price reported by the lessee duirng the year 2018-19 was rs.3590/- for MN% less than25 and Rs.3750/- for Mn% below 25 to 35% mn	None
9h	Scrutiny of Annual return on fixed assets	---	The value of fixed assets reported duirng 2018-19 annual return was Rs.11,18,712/-	None
9k	Scrutiny of Annual return on mining machineries	---	---	None

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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)	13/03/2020			

**Date :**

**(SHAILENDRA KUMAR)**

Indian Bureau of Mines