

TMIS DATABASE FOR MCDR INSPECTION (MANUAL)

1(I)	Mine File No.	AP/NLR/Fe-4
(ii)	Mine Code No.	30 APR 150 03
(iii)	Date of Inspection	03.08.2016
(iv)	Name of Mine	Yashwanth Iron Ore & Laterite Mine (Sy.No.287)
(v)	Name of the lessee with address	M/s.Sai Dharani Sponge Iron (P) Ltd., H.NO.S-90, S.R.Naik Nagr, IDA, Jeedimetla, Hyderabad-55.
(vi)	Name of owner with address & Phone	-Do-
(vii)	Lease area in Ha.	40.469 ha.
(viii)	Date of execution	24.02.2006
(ix)	Expiry date	23.02.2026
(x)	Date of first opening	09.04.06
(xi)	Earlier two dates of inspection	i) 01.09.2009 ii) 11.08.2011
(xii)	Name & designation of the Inspecting officer with ID No.	D.P.Ravikumar, Assistant Mining Geologist
(xiii)	Name & Designation of mine Official accompanying	Shri MD.Zafarulla, Mines Manager
(xiv)	Mine address	
	State	Andhra Pradesh
	District	Nellore
	Village	Sirasanambedu
	Mandal	Pellakur
	Post Office	Sirasanambedu
	Police Station	Naidupeta
	Pin code	-
	Fax	-
	E-mail	-
(xv)	Type of Mine (OC, UG, BOTH) Working/Non-Working	OC – working.
(xvi)	Weekly day of rest	Sunday
(xvii)	Date of AMP/SMP	Scheme of Mining approved by IBM dated 29.09.2014

Code	FOREST	Area (Ha)
33	Total Forest	Nil
1	Reserve Forest	
2	Protected forest	
3	Forest unclassified	
4	Forest sanctuary	
5	Forest national park	
6	Forest mineralised	
7	Forest non-mineralised	
19	Degraded land by pit	
20	Degraded land by dump	
23	Degraded land by road	
25	Degraded land by plant, Building, Town	

31	Land acquired	
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2. LAND DETAILS (WITHIN LEASE AREA)

Code	NON-FOREST	Area (Ha)
34	Total Non-Forest	40.469
8	Private land	-
9	Agricultural irrigated land	-
10	Agricultural non-irrigated land	-
12	Govt. grazing land	-
13	Govt. waste land	-
14	Non-captive use Govt. other land	40.469
15	Domestic Export Mineralised (Yes/No) (Y/N)	39.15
16	Non-mineralised land (Yes/No)	1.319
21	Degraded land by pit	6.59
22	Degraded land by dump	
24	Degraded land by road	0.50 ha
26	Degraded land by plant, Building, Town	0.10
32	Land acquired	-

3. MINERAL

Main Mineral(s)	Associated Mineral(s)	Captive Use (Yes/No)	End Product	Remarks
Iron Ore	laterite	No	Iron ore	

4. MINING ENGINEER/GEOLOGIST DATA (APPOINTED UNDER RULE-42 OF MCDR, 1988) AND MINES MANAGER (appointed under MMR, 1961)

Status	Name	Designation	Educational Qualification	Date of Appointment	Address
Agent	None				
Mining Engineer/ Geologist	None				
Manager	Shri Md.Zafarulla	Mines Manager	Diploma Mining	01.04.2011	C/o Lessee

5. EXPLORATION

a) Exploration carried out as on 1.4. 2016 : NIL

No .of boreholes	No .of pits	No. of trenches
Grid interval(m)	--	--
Max. depth(m)	Max. depth(m)	Max. Length(m)
Min. depth(m)	Min. depth(m)	Min. Length(m)
Total meterage	Total meterage	Total Length(m)

6. EXTENT OF OPEN-PIT DEVELOPMENT

Pit No.	Pit Size	No of OB Bench	Ht. of Bench (m)	Width (m)	No. of Benches In ore	Height (m)	Width (m)	Pit Depth (m)	Top RL (m)	Bottom RL (m)	Overall Pit slope
01	86X26X1.6	0	0	0	01	01	20	1.6	92	90.4	70
02	20X16X2.5	0	0	0	01	2.0	10	2.5	96	93.5	70
03	436X83X3.2	0	0	0	01	1.5	10	3.2	96	92.8	70
04	110X41X2.2	0	0	0	01	2.0	41	2.2	-	-	-
05	26X12X1.2	0	0	0	01	01	12	1.2	-	-	-

06	230X44X3.5	0	0	0	01	3.0	44	3.5	-	-	-
07	200X20X2.5	0	0	0	01	2.0	20	2.5	-	-	-
08	220X36X5.5	0	0	0	01	2.0	36	5.5	-	-	-
09 to 81 (72 no. of trail pits)	03x02x02	0	0	0	01	2.0	20	2.5	-	-	-

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7. REHABILITATION OF QUARRIES = NIL

Quarry / Open pit

Year	Area Broken (Hect.)	Area Reclaimed	Area Matured For reclamation	% of reclamation	Area Rehabilitated			Total Area Rehabilitated
					BF	WR	OM	
1) Cumulative as on 1.4.2014	6.59	-	-	-	-	-	-	-
2) During the previous year	-	-	-	-	-	-	-	-
3) Cumm. as on date of inspection on	6.59	-	-	-	-	-	-	-

BF= Back filled; WR = Water reservoir; OM = Other means; Remarks = Under remarks give post mining land use of the area reclaimed.

8. CHARACTERISTICS OF WASTE DUMP AND TOP SOIL DUMP

A) OB Dump = - A) Area= - B) Height= - C) Capacity cu.m= --

B) Topsoil dump= - A) Quantity generated=- B) Used=-

9. OVERBURDEN AND WASTE GENERATED

OB Removal

Year	OB removed In previous Year(cu.m)	Cumulative O.B Removed till end of Previous year (cu.m)	Ore: OB ratio Previous year (Total -cum)	Whether Dumping on Mineralized Ground(Y/N)	Remark, if Dumped on Mineralized Ground
2015-16	Nil	--	Nil	NA	-

10. PRODUCTION & RESERVES

a) Reserve as on 1.4.2016

Name of Mineral	Proved		Probable		Possible		Total	
	Qty.(t)	Grade	Qty.(t)	Grade	Qty.(t)	Grade	Qty.(t)	Grade
Iron Ore	444720	55.96 – 60.3%	-	-	-	-	444720	55.96 – 60.3%
laterite	261336	About 45%	-	-	-	-	261336	About 50%

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b) Annual production

Year	Minerals	Production(t)	Dispatches/Sale	Closing stock(t)
2009-10	Iron Ore	Nil	7157	23123
	Laterite	Nil	430	830
2010-11	Iron Ore	Nil	Nil	23123
	Laterite	Nil	Nil	830
2011-12	Iron Ore(Hematite)	99555	-	2570
	Lumps	79533	104762	9312
	Laterite	20526	Nil	29121
2012-13	Iron Ore(Hematite)	54312	-	8002
	Lumps	30871	24660	15523
	Laterite	15990	Nil	45115
2013-14	Iron Ore(Hematite)	-	-	8002
	Lumps	-	17530	9
	Laterite	-	-	45115
2014-15	Mine not worked due to environmental clearance . Annual return not submitted.			
2015-16	Annual return not submitted. Draft violation for rule 45(5)(b)(viii) is being sent to RCOM,, IBM, Secunderabad for further action.			

11. SUB-GRADE MINERAL AND INERAL REJECT

a) Sub-grade mineral = No generation of sub-grade mineral.

Name of Mineral		Quantity generated	Quantity Consumed	% utilisation	Quantity Stacked	Nature of Utilization	Grade of Sub-Grade
Iron Ore	Cumulative at the End of previous	-	-	-	-	-	-

	Year1-4-2014						
	During previous year	-	-	-	-	-	-
	Cum.as on date of inspection	-	-	-	-	-	-

12. RECLAMATION/REHABILITATION OF WASTE DUMP – Area : 0

13. PLANTATION

Plantation	Inside mining lease			Outside mining lease		
	No.of Trees	Area in Hect	Rate of Survival	No.of Trees	Area in Hect.	Rate of Survival
1. Already carried out up to the end of previous year – cumulative	80	0.03	50%	-	-	-
2. During the previous year	-	-	-	-	-	-
3. As on date of inspection(cumulative)	80	0.03	40%	-	-	-

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PART – II :: TECHNICAL DETAILS/COMMENTS

1. Details about average employment = Mine non-working

Maximum number of persons employed on any day during the year

Classification	Direct	Contract	Total	Av.no of Days worked	Opencast / Underground
Managerial	-	-	-	-	OC-
Supervisory	-	-	-	-	OC-
Workers	-	-	-	-	OC-
Ministerial	-	-	-	-	OC-
Employment in Plant	-	-	-	-	OC-
Others	-	-	-	-	OC-

- The Annual returns not submitted for the years 2014-15 & 2015-16. violation is being pointed out.

2. Community Development plan (in and around the mines)

Expenditure in Rs.

Sl.No.	General	Proposed For previous year (in Lakhs)	Proposed For current year (in Lakhs)	Incurred In previous year (in Lakhs)	Incurred so far (in Lakhs)	Remarks

1	2	3	4	5	6	7	
1a	Housing		-				
1b	Water Supply						
1c	Sanitation						
1d	Health						
1e	Safety	NIL					
1f	Medical facility						
2	Training						
3	Employment						
4a	Public Transport						
4b	Roads						
4c	Communication						
4d	Electricity						
5a	Recreation						
5b	Sports activities						
6	Environment Management						
7	Others				60,000 (Rupees Sixty thousand)	Donation for festivals in the village	
	Total				60,000 (Rupees Sixty thousand)		

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3. Status of compliance of MC DR 1988, including therewith the rectification of the outstanding violation of rules.

The mine was last inspected on 07.03.2015 and contravention of rule 22 was observed and lessee complied the same.

Further, it is learnt that recently (during August 2016) lessee obtained the Approved Scheme of Mining from RCOM, IBM, Secunderabad.

During current inspection, contravention of rule 45(5)(b)(viii) of MCDR, 1988 was observed and accordingly draft violation letter is being sent to RCOM, Hyderabad for further action.

4. A note on justification in case of suspension of mining operation under Rule 13(2) or prohibition of deployment of any person under Rule 56 of MCDR 1988, if recommended.

No recommendations are made.

5. Scientific Mining.

Items	Proposal	Actual work done	Remarks
A. Exploration (Rule 13)			
a. Type of prospecting & exploration i.e., pitting, drilling	---	72 trial pits 50x50x10	Lessee proposed 96 trial pits during 2014-15 . Due to EC problem mine not worked during 2014-15. After obtaining the EC 72 trail pits were achieved.

etc. b) Total area covered			Further, lessee obtained the Approved Scheme of Mining from RCOM, IBM, Secunderabad during August 2016.
B. Working (Rule – 13)			
a. Number and size of each pit (LxWxH)	---	1) 86X26X1.6 2) 20X16X2.5 3) 436X83X3.2 4) 110X41X2.2 5) 26X12X1.2 6) 230X44X3.5 7) 200X20X2.5 8) 220X36X5.5 9 to 81 (72 trail pits)	
b. Bench size (LxWxH) length can be defined as regular/irregular c. Ore to waste ratio pit-wise, if possible, otherwise for mine	---	150x20x1.0 --	Lessee obtained the Approved Scheme of Mining from RCOM, IBM, Secunderabad during August 2016.
d. Total area covered under excavation/pits	--	6.59 ha.	-

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C. Waste disposal(Rule 13)	--	--	-
a. Location of dumps	--	--	Waste not generated as the mineral deposit is of Float Ore.
b. Method of dumping whether advancing/retreat	--	--	--
c. Total area covered under waste dump	---	-	--
d. No.and size of each waste dump with No.of steps/lift/bench	---	Nil	-
e. Yearly generation of waste quantity	---	--	-

6. Conservation of Mineral – both quantitative and qualitative.

Beneficiation (Rule 20 and 26)	
Efforts for improving low grade and sub-Grade mineral	Entire material subjected to screened into three different size fractions to find market in cement plants and sponge iron plants.
Efforts for improving percentage of Recovery of ore.	-do-
Mineral (Rule – 15)	
No.of benches in ore and waste	01 in ore only
Percentage of recovery of ore pit-wise w.r.t ROM and total material	Almost 100% including low grade.
Sub-grade mineral/fines(Rule – 16)	
Separate stacking from waste	NIL
Location of stacking	NA
Total area covered for stacking	NA
No. and size of each stack	NIL
Quantity of yearly generation and total Quantity available during inspection with Grade	NIL

7. Environment Management – both quantitative and qualitative.

A. Land environment

a. Landscape	The area is elongated, slightly elevated land sloping towards south west side.
b. aesthetic environment	The lease area is adjacent to forest land. Presence of trees in forest is giving better aesthetic view.
c. Soil and land use pattern	No exclusive soil cover exists as it is basically a float ore deposit. Land use pattern consists of area degraded by pits.

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d. Agriculture	There is no agriculture within the lease area.
e. Forest (flora and fauna)	Lease area is a non-forest land. No flora and fauna.
f. Vegetation	No vegetation is observed except some plants around the workers' sheds within the lease.
g. Public building, places and monuments (protected, historical), place of worship and places of tourist importance.	No public buildings, places and monuments, place of worship etc., exist in the lease area
B. Water environment	
a. Surface water	No surface water streams or reservoirs have been noticed.
b. Ground water	No ground water encountered. The excavation has been limited to 1.5m depth only.
c. Quality of water	Not applicable as there is no water storage.
C. Air environment	
a. Noise	It is a manual mine without drilling & blasting – no impact.
b. Air	-do-
c. Climatic condition	Semi Arid tropical climate with high humidity.

D. Socio economic environment	
a. Social and demographic profile	The main occupation of the local people is agriculture, business and sheep rearing.
b. Recommending health and safety	Nothing specific except provision of protective safety appliances.
c. Human settlement	Human settlement with a population of over 9000 in 5 villages of buffer zone.
d. Recreational facility	Nil – the nearest town is Naidupeta, where cinema halls are available for recreation.

8. Scrutiny of annual returns on cost of operation, reserves, production, pit's mouth value, stock, land use pattern and fixed assets.

Annual Returns have not been submitted from 2014-15 to 2015-16. Hence, no scrutiny could be done. Draft violation letter for rule 45(5)(b)(viii) is being sent to RCOM, IBM, Secunderabad for further action.

PART – III :: PERFORMANCE OF MINE OWNER

(In case of lease expiring within 2 years – as per guidelines)

Not applicable, as the lease is not expiring within 2 years. The validity of the lease is upto 23.02.2026.

PART – IV :: PROPOSAL FOR FURTHER ACTION FOR

- | | | | |
|----|--|---|-----|
| a) | Indian Bureau of Mines (any issue related to CGPB, SGPB, assistance, consultancy, annual Programme and studies et | : | Nil |
| b) | The State Government (illegal mining, mining dispute, infrastructure, mineral based industry, mineral policy & etc.) | : | Nil |
| c) | The Central Government (infrastructure development, mineral policy and legislation, mineral based industry & etc.) | : | Nil |

Nellore,
Date: 5.10..2016.

(D.P.RAVIKUMAR)
Assistant Mining Geologist
Indian Bureau of Mines

Draft

Government of India
Ministry of Mines
Indian Bureau of Mines
Office of the Regional Controller of Mines

No. AP/NLR/Fe-4

Hyderabad,
Date:

To

Shri V. Lakshmi Narayana Garu,
Managing Director,
M/s Sai Dharani Sponge Iron Limited,
No. 5/90, SR Naik, IDA, Jeedimetla,
Hyderabad-55

Sub : Violation of Provisions of MCDR 1988 in respect of your Yashwanth Iron Ore & Laterite Mine in Sirasanambedu (V) Pellakur (M), SPSR Nellore district of State Andhra Pradesh over an extent of 40.469 ha. reg.

Dear Sir,

The following provisions of Mineral Conservation and Development Rules, 1988 was found violated in your above mine during inspection on 03.08.2016 by D.P.Ravikumar, Assistant Mining Geologist, Indian Bureau of Mines, Sub-Regional Office, Nellore, accompanied by your mines manger Shri Md. Zafarulla.

Rule No.	Nature of violation observed
45(5)(b)(viii)	Annual returns for the years 2014-15 & 2015-16 have not been submitted to the Regional Controller of Mines, IBM, Secunderabad so far as required under this rule.

02. It is brought to your notice that the above violations constitute an offence punishable under Rule 58 of MCDR 1988 of MCDR 1988. Besides, inability to comply the provision of Rule 13(1) is also liable for suspension of Mining operations under rule 13(2) of MCDR, 1988.

03. You are, therefore, directed to Show cause within a period of 30 (thirty) days from the date of issue of this letter, as to why you should not be prosecuted for the above offence and or Mining operations shall be suspended under the provision of Rule 13(2) of MCDR, 1988 in the mine till the compliance of the aforesaid violation.

0.4. Please note that no further notice will e given to you in this regards.

Yours faithfully,

(PANKAJ KULSHRESTHA)
Regional Controller of Mines

N.O.O.:

Copy for kind information to :-

1. The Controller of Mines (SZ), IBM, Bangalore.
2. The Director of Mines & Geology, Govt. of Andhra Pradesh, 8 th floor, BRKR Bhawan, Hyderabad.
3. The Assistant Director, Dept. of Mines and Geology, Govt. of Andhra Pradesh, D.No. 26-3-457/1, 1 st Floor, C.Kalyan Complex, Near SBI, BV Nagar, Mini bypass road, Nellore.
4. The Assistant Mining Geologist, IBM, Nellore.

(PANKAJ KULSHRESTHA)
Regional Controller of Mines

Government of India
Ministry of Mines
Indian Bureau of Mines

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D.No.26-II-830, Flat No.86,
8th Cross Road, Jyothi Nagar,
Vedayapalem, AK Nagar (PO),
Nellore-524004.(A.P)

Dated: 05.10.2016

AP/NLR/Fe-4

To

The Regional Controller of Mines
Indian Bureau of Mines
Secunderabad.

Sub: MCDR inspection report of Yashwanth Iron Ore & Laterite Mine in SPSR Nellore district of State Andhra Pradesh over an extent of 40.469 ha. Owned by M/s Sai Dharani Sponge Iron Limited.

Sir,

The above inspection report by D.P.Ravikumar, Assistant Mining Geologist in respect of his inspection on 03.08.2016 is forwarded herewith.

02. Violations of MCDR 1988 have been found. The draft violation letter is enclosed herewith for your kind information and further action.

03. Further action is to be taken as below:

- a) Indian Bureau of Mines : Nil
- b) The State Government : Nil
- c) The Central Government : Nil

Yours faithfully,

Encl: 1) MCDR Inspection report.
2) Draft violation letter.

(D.P.RAVIKUMAR)
Assistant Mining Geologist
Indian Bureau of Mines

