

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

**Joint inspection REPORT
Hyderabad regional office**

Mine file No : AP/NLR/FE-4

Mine code : 30APR15003

- (i) Name of the Inspecting : **25**) **SHRI IBRAHIM SARIF**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : JAFARULLAH, MINES MANAGER
Official with
Designation
- (iv) Date of Inspection : 20/02/2018
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SIRASANAMBEDU(40.169 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : **ANDHRA PRADESH**
District : **NELLORE**
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 09/04/2006
- (h) Weekly day of rest : SUN
2. Address for
correspondance :
3. (a) Lease Number : APR3004
- (b) Lease area : 40.48
- (c) Period of lease : 20
- (d) Date of Expiry : 23/02/2026
4. Mineral worked : IRON ORE Main
LATERITE Associated

5. Name and Address of the

Lessee : M/S SAI DHARANI SPONGE IRON(P)LTD
M/S.SAI DHARANI SPONGE
IRON(P)LTD H.NO 5-90S.R.
NAIKNAGAR,IDA JEEDIME
TTA, HYDERABAD-55 HYDERABAD
TELANGANA
Phone:
FAX :

Owner : SAI DHARANI SPONGE IRON (P) LTD.
TADIPARTI (V), PODALKUR
(M), NELLORE DIST NELLORE
ANDHRA PRADESH
Phone:
FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	29/09/2014
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	31/08/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	6 BORE HOLES	Nil	Vioaltion pointed out
1b	Exploration over lease area for geological axis 1 or 2	Exploration in the entire lease area has to be completed by 2017-18	Exploration proposed for 2017-18 has not been completed.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee, M/s Saidharani Sponge Iron (Pvt.) Ltd.	Lessee, M/s Saidharani Sponge Iron (Pvt.) Ltd.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	about 4 Ha area to be explored	Yet to be explored	
1e	Balance reserve as on 01/04/20		1005320	in Tonnes

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	00- N300 & W200 -W420, North eastern saide of the lease area	00- N300 & W200 -W420, working found within proposed area i.e. North eastern saide of the lease area	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not proposed	Deposit is of float type no overburden is there hence no need to maintain seperate bench for ore and waste	
2c	Stripping ratio or ore to OB ratio	8568 MT	Not reported	2017-18
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil	Nil	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	2 no.	2 no.	
3b	Quantity of ROM mineral production proposed	75969 T of Ore + 8568 cum of IB	13400 T of ROM, 7839 T of ore, IB not reported	
3c	Recovery of sailable/usable mineral from ROM production	75969 T	7839 T	
3d	Quantity of mineral reject generation	Nil	Nil	
3f	Quantity of sub grade mineral generation.	Nil	Nil	The lessee is being sold the ore with mineral content less than 45% Fe as Laterite
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3j	Provision of drilling and blasting in mineral benches	No drilling & blasting is proposed as the ore is easily exploitable by deploying excavator in combination with reock breaker	No drilling & blasting is being practiced	
3k	Provision of mining machineries in mineral benches	Excavator - 0.9 cum- 1 Tipper - 10 T - 3	Excavator - 0.9 cum- 1 Tipper - 10 T - 3	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 m	3 m, Yes suitable for this type of deposit	
3m	Total area covered under excavation/pits	17.104	17.0	In Ha
3n	Ore to OB ratio for the pit/mine during the year.	0.112	Not reported	

3p	Production of ROM mineral during the last five year period as applicable	2013- 14 : No proposal 2014-15 : 75479 2015-16 : 77530 2016-17 : 75012 2017-18 : 75969	No	2013- 14 : No proposal 2014-15 : Nil 2015-16 : 65732 2016-17 : 40726 2017-18 : 13400
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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 of Mineral reject was found observed in the lease	
4b	Location of topsoil, OB and mineral reject dumps	On Southen side of the lease area	As per proposal	
4c	Number of dumps within lease area and outside of lease area	two	Two	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	
4e	Number of active and alive dumps.	One	One	
4h	Whether Retaining wall or garland drain all along dumps are there.	To be maintained	Found maintained	
4i	Length of Retaining wall or garland drain all along dumps	250 m	250 m	
4j	Number of settling ponds	One	One	
4k	Specific comments of inspecting officer on waste dump management		Two waste dumps maintained are found outside UPL and are well maintained to prevent wash off of waste dump	

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.	On Northern side of the lease area is found fully exploited	On Northern side of the lease area is found exploited fully	
5b	Area under backfilling of mined out area	0.1 Ha	Nil, no substantial quantity of waste was reported to be generated, hence could not be carried out	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Proposed on Northsen side of the lease area	Not done	
5d	Total area fully reclaimed and rehabilitated	Only proposed for backfilling was about 0.1 Ha	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	It was proposed to backfill the mined out area on Northern side of the lease area	No backfilling was done and it was reported that very less generation of waste was generated.	

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 sumitted regularly	Yes Submitted	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	2000	2000	16-17

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	It was proposed to reclaim and rehabilitate the mined out area for the year 2017-18, but the same was not carried out by the lessee as it was reported that very less waste waqs generated during the year
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Ore generated in the mine is to be dispatched	7839 T ore was reported dispatched during the year	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Initially Manual sorting and sizing followed by mechanised crushing and screening	Sorting is being carried out as per approved proposal.	
7c	Different grade of mineral sorted out at mines.	Iron Ore -45-55% Fe Laterite - 35-<45% Fe	Iron Ore -45-55% Fe Laterite - 35-<45% Fe	
7d	Any beneficiation process at mines	Dry crushing and screening	Dry crushing and screening	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Ore from the mine is sorted based on the grade of ore. Iron ore- 45- 55% Fe, Laterite 35- 45% Fe and the fines are found stacked seperately in the lease area in the earmarked site as per approved proposals.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Seperate dump/ Stack of Mineral reject and waste to be maintained	Found maintained seperately
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Backfilling on Northern side of the lease area	Not done
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Pits	Not done
8h	Water sprinkling on roads to control airborne dust	To be donr regularly to suppress the dust	Water sprinkling is being carried out for dust suppression

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be submitted regularly	Is being submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer in charge MOHAMMED ZAFARULLA Geologist in charge P R MISHRA	Mining Engineer in charge MOHAMMED ZAFARULLA	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Already exploited & abandoned by opencast mining 13.12 (ii) Covered under current (O/C) Workings 6.604 (iii) Reclaimed/Rehabilitated 0 (iv) Used for waste disposal 0.986 (v) Occupied by plant, buildings, residential, welfare buildings & roads 11.2 (vi) Other Purpose (Weigh bridge) 0.412 (vii) Work done under progressive mine closure plan during the year 0.32	(i) Already exploited & abandoned by opencast (O/C) mining 13.12 (ii) Covered under current (O/C) Workings 6.604 (iii) Reclaimed/Rehabilitated 0 (iv) Used for waste disposal 0.986 (v) Occupied by plant, buildings, residential, welfare buildings & roads 11.2 (vi) Other Purpose (Weigh bridge) 0.412 (vii) Work done under progressive mine closure plan during the year 0.32
9d	Scrutiny of Annual return on afforestation	2000	2000
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	40726 T	40726 T
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs. 700, COP- Rs.527	Rs. 700, COP- Rs.527 as reported.
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) 0.900 CUM 2	SHOVEL (HYDRAULIC) 0.900 CUM 2

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
MCDR17	Rule 11(1)	25/03/2018			
MCDR17	Rule 31(4)	25/03/2018			

Date :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines