

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/JBP/MANG-13

**Mine code :** 40MPR18005

- (i) Name of the Inspecting : **SQ23** ) **SANDEEP KUMAR SINGH**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 28-FEB-20
- (v) Prev.inspection date : 20-DEC-18

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MANSAKRA (5.00 HA)**
- (b) **Registration NO.** :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : JABALPUR  
Village :  
Taluka :  
Post office :  
Pin Code :  
FAX No. : NA  
E-mail : NA  
Phone : NA
- (f) Police Station : SIHORA
- (g) First opening date : 06-NOV-06
- (h) Weekly day of rest :
2. Address for : SURIYAVANSAM MINING & MINERALS PVT. LTD.  
correspondance : 27/2, PATRAKAR COLONY,  
INDORE (M.P.)
3. (a) Lease Number : MPR2311
- (b) Lease area : 5
- (c) Period of lease : 20
- (d) Date of Expiry : 13-OCT-26
4. Mineral worked : MANGANESE ORE Main  
IRON ORE Associated  
LATERITE Associated

## 5. Name and Address of the

Lessee : SURIYAVANSAM MINING & MINERALS PVT. LTD.  
 27/2, PATRAKAR COLONY.  
 INDORE (M.P.) INDORE MADHYA  
 PRADESH  
 Phone:NA  
 FAX :NA

Owner : SURIYAVANSAM MINING & MINERALS PVT. LTD.  
 27/2, PATRAKAR COLONY.  
 INDORE (M.P.) INDORE MADHYA  
 PRADESH  
 Phone: NA  
 FAX : NA

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	01-SEP-06
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	21-DEC-12
	:	Modif.of approved Mining Plan	21-DEC-12
	:	Mining Scheme rule 12 MCDR1988	08-JUN-16

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	explortaion was not proposed for the reporting year18-19	no explortaion work carriedout in the reporting year 18-19	
1b	Exploration over lease area for geological axis 1 or 2	area explored upto g2 level	area explored upto g2 level	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	no explortaion carried outin the ry 18-19	no information furnished regarding the exploration expenditureas no explortaion work carried out	
1d	Balance area to be explored to bring Geological axis in 1 or 2	5.00 hect	5.00 hect tobe explored upto g1level	
1e	Balance reserve as on 01/04/20	as on01.04.2016 122-842255 mn;1684110-fe 222-207225 mn;414450-fe	ason01.04.2019 122-588462 mn;1121024fe 222-207225mn;414450fe	
1f	General remarks of inspecting officers on geology, exploration etc			mineral deposition of the area belongs to mahakaushal formation in tehjabalpurregion, mn found is small patches associated with iron ore (mosthlyweather ed)

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	it was proposed to do development work in the central part of the lease area	development work scarried out in the central part of	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	it was proposed to develop separate benches in the top soil in the mineral benches	separate benches prepared	
2c	Stripping ratio or ore to OB ratio	1:0.05	1:1.03	working done in the proposed location with slower rate
2d	Quantity of topsoil generation in m3	nil	nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			working done in the proposed location with slower rate

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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	mn-124245 cum fe-248490 t	mn- 124152.000 tonnes fe- 248307.991 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	fe-50%mn-25% laterite-25%	as per proposal slight variation in recovery%	
3d	Quantity of mineral reject generation	nil	nil	

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3e	Grade of mineral rejects generation and threshold value declared.	not proposed	nil
3f	Quantity of sub grade mineral generation.	not proposed	nil
3g	Grade of sub grade mineral generation	not proposed	nil
3h	Manual / Mechanised method adopted for segregating from ROM	combined method proposed	manual and mechanised method both are adopted
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	not proposed	only screening is being used
3j	Provision of drilling and blasting in mineral benches	proposed	as and when required on contractual basis
3k	Provision of mining machineries in mineral benches	proposed	hemm is proposed to deploy in the mineral benches.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	suitable	as per pproved mining plan
3m	Total area covered under excavation/pits	4.31hct	4.11 hct
3n	Ore to OB ratio for the pit/mine during the year.	1:0.05	1:.03
3o	Total area put in use under different heads at the end of year	4.81hect	4.70hect

3p	Production of ROM mineral during the last five year period as applicable	2016-17= 264396fe, 132198mn 2017-18=238032 fe,119016mn 2018-19=248490 fe,124245mn	2016-17=nil 2017-18=118931mn, 237863fe 2018-19=124152mn, 248307fe
		2016-17= 264396fe, 132198mn 2017-18=238032 fe,119016mn 2018-19=248490 fe,124245mn	

3q	General remarks of inspecting officers on method of mining etc.	hemm is being proposed to be used in the mineral benches, hemm and tipper are used for mining.
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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)	proposed	separate dumping	
4b	Location of topsoil, OB and mineral reject dumps	in the north	in the extreme north of the ml	
4c	Number of dumps within lease area and outside of lease area	two dump within the lease area one outside the lease area	two mineral dump since the lease area one waste dump outside the lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	out side the upl	out side the upl	

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4e	Number of active and alive dumps.	two active mineral dumps in the ml area	two active dumps in the ml area	
4f	Number of dead dumps.	not	none	
4g	Number of dumps established.	not proposed	nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	not proposed	nil	
4i	Length of Retaining wall or garland drain all along dumps	not proposed	nil	
4j	Number of settling ponds	not proposed	nil	
4k	Specific comments of inspecting officer on waste dump management			one waste dump outside the ml area in the vt land owned by lessee

#### 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.	full extraction of the mineral is proposed	full extraction of mineral not done yet	
5b	Area under backfilling of mined out area	not proposed	nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	in planttaion as and when generated	nil no top soil was generated in the ry	

5d	Total area fully reclaimed and rehabilitated	not proposed	nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			full extraction of the mineral not done . backfilling done in barrier zone.

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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).	proposed	not submitted	
6b	Area available for rehabilitation (ha) .	not proposed	nil	
6c	afforestation done (ha).	around the ml boundary .15 hect	around the ml boundary .15 hect	
6d	No. of saplings planted during the year	500 nos	500 nos	
6e	Cumulative no .of plants	not given	not given	
6f	Any other method of rehabilitation	not proposed	nil	
6g	Cost incurred on watch and care during the year	not mentioned	nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D			



6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	pmcp report not submitted violation issued
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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	rom grade wise sorting was proposed	rom is being sorted in the lease area before dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	manual method with screening if required	manual method adopted with screening	
7d	Any beneficiation process at mines .	not proposed	nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			rom is being sortade in the lease area by manual method and screening

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#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed	as and when generated	
8b	Concurrent use or storage of topsoil	proposed	there is less amount of top soil in the ml, whenever generated its used in plantation	

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	as per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	proposed	after full extraction of mineral	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	proposed	after full extraction of mineral	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	proposed	as per proposal	
8g	Survival rate	80 %	70 %	
8h	Water sprinkling on roads to control airborne dust	proposed	by water tanker	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			needs improvements

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	submitted	submitted	

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	geologist not appointed	violation given
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	details given	furnished
9d	Scrutiny of Annual return on afforestation	500 nos.	furnished
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	nil	furnished
9f	Scrutiny of Annual return on ROM stock and/or graded ore	furnished	furnished
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	furnished	furnished
9h	Scrutiny of Annual return on fixed assets	34259577 rs given	furnished
9k	Scrutiny of Annual return on 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 26(2)	19-MAY-20			
MCDR17	Rule 31(4)	19-MAY-20			
MCDR17	Rule 55(1) (1)	19-MAY-20			
MCDR17	Rule 35(1)	19-MAY-20			

**Date :**

**(SANDEEP KUMAR SINGH)**

Indian Bureau of Mines