

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/BLW-426/IO-01

Mine code : 30RAJ06001

- (i) Name of the Inspecting : **R018**) **N L ROAT**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Naveen Airen Sr. Mines Manager.
Official with
Designation
- (iv) Date of Inspection : 18-SEP-16
- (v) Prev.inspection date : 16-JUN-15

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DHEDWAS**
- (b) **Registration NO.** : **IBM/5710/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : RAJASTHAN
District : BHILWARA
Village : DHEDWAS
Taluka :
Post office :
Pin Code :
FAX No. : 01482248417
E-mail : sunil.pandey@jindalsaw.com
Phone : 0148224817
- (f) Police Station : Pur& Mandal
- (g) First opening date : 15-JUN-11
- (h) Weekly day of rest : SUN
2. Address for :
correspondance
3. (a) Lease Number : RAJ3916
- (b) Lease area : 1556.78
- (c) Period of lease : 30
- (d) Date of Expiry : 07-DEC-40
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : JINDAL SAW LIMITED
B-136, QUEENS ROAD VIDHYUT
NAGAR-B JAIPUR RAJASTHAN
Phone:
FAX :

Owner : JINDAL SAW LTD
JAIPUR RAJASTHAN
Phone:
FAX :

6. Date of approval of Mining : MP modif under MCR 1960
Plan/Scheme of Mining

18-MAY-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	As per modified mining plan approved on 18/05/2016 bore holes core-12nos. of 1235m drilling and 8nos. of trenches of total 320m length.	Actually exploration by putting trenches of 320m length has been carried out during previous year.	Nil.
1b	Exploration over lease area for geological axis 1 or 2	As per modified mining plan approved on 18/05/2016 bore holes core-12nos. of 1235m drilling and 8nos. of trenches of total 320m length.	Actually the lease area has been explored G1 or G2 by putting 79nos of boreholes core,drill non core-22nos and 59nosof trenches of 4591.53m length.	Nil.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	Exploration carried out departmental by the lessee.The expenditure incurred is not available.	Nil.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal of the balance area to be explored in the approved modified mining plan for previous year.	1411m(5BH) Core drilling.	Nil
1e	Balance reserve as on 01/04/20	As on 01/04/2016 (111)-39.81MMT,(122)-65.45MMT,(333)-29.20MMT and(334)-70.47MMT.	As on 01/04/2016 (111)-39.81MMT,(122)-65.45MMT,(333)-29.20MMT and(334)-70.47MMT.	Nil.

1f	General remarks of inspecting officers on geology, exploration etc	No proposal.	Exploration is in process.	Actually the balance potential area to be determined and exploration for conversion of resources in to reserves need be carried in a scheduled manner.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Tiranga block in South part ,Suras,Dhulkhe da North & South in South part w.r.t. lease area.	Tiranga block in South part ,Suras,Dhulkheda North & South blocks in South part w.r.t. lease area.	Nil.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	The separate bench in topsoil,overburden and mineral is proposed.	The separate bench in overburden and mineral formed &(no top soil at presnt).	Nil.
2c	Stripping ratio or ore to OB ratio	1:2.3.	1:2.59.	Nil.
2d	Quantity of topsoil generation in m3	For the year2015-15-3100m3.	Nil.	Nil
2e	Quantity of overburden generation in m3	2573338m3	8500000m3.	Nil.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No proposal.	The mine developemnt is suitable w.r.t. type of deposit .	Nil.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Tiranga,Suras,Dhulkhera North& South.	Tiranga,Suras,Dhulkhera North& South.	Nil.

3b	Quantity of ROM mineral production proposed	6500000Tonns.	3600000Tonns.	Nil.
3c	Recovery of sailable/usable mineral from ROM production	30%.	30%.	Nil.
3d	Quantity of mineral reject generation	No proposal.	Not applicable.	Nil.
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Not applicable.	Nil.
3f	Quantity of sub grade mineral generation.	10350000Tonns.	1200000Tonns.	Nil.
3g	Grade of sub grade mineral generation	15-18% Fe.	15-18% Fe.	Nil.
3h	Manual / Mechanised method adopted for segregating from ROM	Dry&wet beneficiation by two stages of crushing & grinding each with magnetic separation.	Dry&wet beneficiation by two stages of crushing & grinding each with magnetic separation.	Nil.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	None.	Nil.
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling&blasting.	Deep hole drilling&blasting.	Nil.
3k	Provision of mining machineries in mineral benches	Exploitation is proposed to be carried out by machinery in mineral bench.	HEMMS(Shovels Dumpers combination).	Nil.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes.	Yes.	Nil.

3m	Total area covered under excavation/pits	105.68hect.(20 15-20.)	52hect. up to 2015-16.	Nil.
3n	Ore to OB ratio for the pit/mine during the year.	1:1.56.	1:1.56.	Nil.
3o	Total area put in use under different heads at the end of year	Pits-103.367hect, Dumps-248.82 Mneral Storage-5.75hects.Road-8.00hects. Tailing pond-50.4 building/habit ation-68.128hects. Plant-10hect work shop/office/st ores-7hect plantation-50hects.	Pits-72.7hect, Dumps-51.46 Mneral Storage-9.005hects.Road-10hects. Tailing pond-1.5 building/habitation-68.128hects. Plant-10hect work shop/office/stores-5hect plantation-55.72hects.	Nil.
3p	Production of ROM mineral during the last five year period as applicable	(2011-12)-25lac,(2012-13)-50lac,(2013-14)-50lac,(2014-15)-50lac(2015-16)-65lac.	(2011-12)-6.22lac,(2012-13)-10.12lac,(2013-14)-31.07lac,(2014-15)-41.62lac(2015-16)39.28lac.	Nil.
3q	General remarks of inspecting officers on method of mining etc.	No proposal.	The method of mining adopted is suitable for the deposit.	Nil.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of OBis proposed.No proposal of minera rejects.To soil is to be used for plantation.	Separate dumping of OB waste is done.No mineral reject is generated.Topsoil simultaneously used for plantation.	Nil.

4b	Location of topsoil, OB and mineral reject dumps	Tiranga, Suras, Dhulkheda North & South block.	Tiranga, Suras, Dhulkheda North & South block.	Nil.
4c	Number of dumps within lease area and outside of lease area	14 dumps with in lease area.	14 dumps with in lease area.	Nil.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Tiranga, Suras, Dhulkheda North & South block. All dumps on barran land.	Tiranga, Suras, Dhulkheda North & South block. All dumps on barran land.	Nil.
4e	Number of active and alive dumps.	5nos.	5nos.	Nil.
4f	Number of dead dumps.	No proposal.	Not applicable.	Nil.
4g	Number of dumps established.	As per modified mining plan approved on 18/05/2016 the existing dumps proposed to be stabilized by construction retaining wall around dumps.	The existing have not stabilized by construction retaining wall around dumps.	Violation of Rule 13(1) pointed out.
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes.	The existing dumps have not stabilized by construction retaining wall around dumps.	Violation of Rule 13(1) pointed out.
4i	Length of Retaining wall or garland drain all along dumps	Proposal of Length of retaining wall or garland drain not proposed.	Not applicable.	Nil.
4j	Number of settling ponds	No proposal.	Not applicable.	Nil.
4k	Specific comments of inspecting officer on waste dump management	No proposal.	Actually at places the existing waste dumps are required to secure by vegetation, constructing retaining wall and garland drain etc at the base of dumps.	Actually at places the existing waste dumps are required to secure by vegetation, constructing retaining wall and garland drain etc at the base of dumps.

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal of backfilling.	Not applicable.	Nil.
5b	Area under backfilling of mined out area	No proposal of backfilling.	Not applicable.	Nil.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Topsoil is proposed to be used for plantation.	Topsoil is used for plantation concurrently.	Nil.
5d	Total area fully reclaimed and rehabilitated	No such proposal.	Not applicable.	Nil.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No such proposal.	No part of worked out pit mature for backfilling.	Nil.

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).	No such proposal.	The annual report on PMCP for the year 2015-16 was not submitted.	Violation of Rule 23E(2) is pointed out.
6b	Area available for rehabilitation (ha) .	No such proposal for the year 2015-16.	Not applicable.	Nil.
6c	afforestation done (ha).	No proposal.	Actually no proposal in approve modified mining plan on 18/05/2016.No afforestation during 2015-16.	Nil.
6d	No. of saplings planted during the year	No proposal.	Plantation of 51891 sapling during the year.	Nil.
6e	Cumulative no .of plants	No proposal.	Plantation of 51891 sapling during the year.	Nil.
6f	Any other method of rehabilitation	No proposal.	Not applicable.	Nil.

6g	Cost incurred on watch and care during the year	No proposal.	Rs159 lacs as informed by the representative.	Nil.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	Not applicable.Actually no void is mature for backfilling.	Nil.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Not applicable.Actually no void is mature for backfilling.	Nil.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposal.	No backfilled area available at present.	Nil.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Not applicable.	Nil.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal.	Not applicable.	Nil.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal.	Not applicable.	Nil.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	Not applicable.	Nil.

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	Not applicable.	Nil.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitorin of air & water is proposed.	Quarterly monitorin of air & water is done.	Nil.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Construction of retaining wall no other specific proposal.	Actually as noticed during inspection the proposed construction of retaining wall for stabilization of is not carried out.	Violation of Rule 13(1) is pointed out.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal of sorting in approved modified mining plan.	No applicable.	Nil.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal of sorting in approved modified mining plan.	No applicable.	Nil.
7c	Different grade of mineral sorted out at mines.	No proposal of sorting in approved modified mining plan.	No applicable.	Nil.
7d	Any beneficiation process at mines	Yes, Beneficiat ion process at mine.	Yes, Beneficiation process at mine.	Nil.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No proposal.	Actually dry and wet beneficiation by two stage of Crushing & grinding each with megnetic separation.	Nil.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Topsoil removed is to be simultaneously use for plantation.	Actually it has been used for plantation.	Nil.
8b	Concurrent use or storage of topsoil	Topsoil removed is to be simultaneously use for plantation.	Actually it has been used for plantation.	Nil.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping of OB is proposed. No proposal of mineral rejects. Topsoil is to be used for plantation.	Separate dumping of OB waste is done. No mineral reject is generated. Topsoil simultaneously used for plantation.	Nil.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Not applicable.	Nil.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal for 2015-16.	Not applicable.	Nil.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal for 2015-16.	In addition to the saplings planted the locally grown vegetation exist in the lease area.	Nil.
8g	Survival rate	80%.	92%.	Nil.
8h	Water sprinkling on roads to control airborne dust	No proposal.	Actually as noticed during inspection water had not been sprayed regularly on haul roads for suppressing the dust generated.	Violation of rule 37 has been pointed out.

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No such proposal.	Except degradation of land it is good.	Nil.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M. R. submitted up to August, 2016 & A. R. submitted for 2015-16.	The position of Submission of M/R & A/R is satisfactory.	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes.	Found O.K.	Nil.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given	Found O.K.	Nil
9d	Scrutiny of Annual return on afforestation	yes, given	Found O.K.	Nil.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Details given for O/B removed & reject generation.	Found O.K.	Nil.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Details Given	Found O.K.	Nil.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes.	Found O.K.	Nil.
9h	Scrutiny of Annual return on fixed assets	Given.	Details given.	Nil.
9k	Scrutiny of Annual return on mining machineries	The details on mining machneries attended.	The details on mining machneries attended.	Nil.

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show course position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 13(1)	20-OCT-16				
Rule 23E(2)	20-OCT-16				
Rule 37	20-OCT-16				

Date :

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Indian Bureau of Mines