

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

**MCDR INSPECTION REPORT**

**Bhubaneshwar regional office**

**Mine file No :** ORI/BXT/SNG/MCDR-5/BBS

**Mine code :** 30ORI13005

- (i) Name of the Inspecting : **SRM** ) **SHRI SUDIP RANJAN MAZUMDAR**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri T.C.Sei, Agent and Shri Chandrakant Rath, Mines  
Official with  
Designation
- (iv) Date of Inspection : 27/02/2020
- (v) Prev.inspection date : 20/08/2019

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **K.J.S.T. JALDHI**
- (b) **Registration NO.** : **IBM/135/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : SUNDARGARH
- Village : JALDHI
- Taluka : BONAI
- Post office : KOIRA
- Pin Code : 770048
- FAX No. : 06767275362
- E-mail : snmbbl@gmail.com
- Phone : 06767275362
- (f) Police Station : KOIRA
- (g) First opening date : 20/01/1987
- (h) Weekly day of rest : SAT
2. Address for : KJST(JALDIHI) BXT & IRON MINE, M/S P.MOHANTY  
correspondance P.O.KOIRA, DIST:SUNDERGARH  
ORISSA
3. (a) Lease Number : ORI0151
- (b) Lease area : 188.27
- (c) Period of lease : 30
- (d) Date of Expiry : 19/01/2037
4. Mineral worked : BAUXITE Main  
IRON ORE Associated

## 5. Name and Address of the

Lessee : PRABADH MOHANTY  
 L.H. OF LATE S.N.MOHANTY  
 MINES OWNER, STATION ROAD  
 P.B.NO.21, P.O.BARBIL  
 KEONJHAR ORISSA  
 Phone:  
 FAX :

Owner : PROBODH MOHANTY  
 PROBODH MOHANTY, MINES OWN  
 AT-STATION ROAD, BARBIL  
 DIST-KEONJHAR.758035  
 KEONJHAR ORISSA  
 Phone:  
 FAX :

Agent : T C SEI  
 WEIGH BRIDGE ROAD BARBIL  
 AT/PO-BARBIL DIST-  
 KEONJHAR, ODISHA KEONJHAR  
 ORISSA  
 Phone: 06767275362  
 FAX : 06767275362

## Mining Engineer

Name : B. Samal, Full Time  
 Qualification : BE Mining  
 Appointment/ : 20/10/2008  
 Termination date

## Geologist

Name : MANASH RANJAN PARIDA, Full Time  
 Qualification : M Sc Geology  
 Appointment/ : 07/07/2017  
 Termination date

## Manager

Name : SHRI C K RATH  
 Qualification :  
 Appointment/ : 01/07/2017  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	09/05/2005
Plan/Scheme of Mining	:	Renewal under rule 24 MCR1960	23/08/2006
	:	Modif.of approved Mining Plan	25/06/2009
	:	FMCP under 23C(1)	12/01/2011
	:	Mining Scheme rule 12 MCDR1988	06/04/2011
	:	Mining Scheme rule 12 MCDR1988	11/03/2016
	:	MP modif under 17(3) MCR 2016	15/05/2018

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	In 2018-19, there was no exploration proposal.	Nil	Nil
1b	Exploration over lease area for geological axis 1 or 2	In 2018-19, there was no exploration proposal.	There was no exploration carried out during the year 2018-19. As per the modification of mining plan approved dated 15.05.2018, the Lease area explored as per UNFC norms as on 31.03.2018 under G1 is 161.36 Ha, and remaining unexplored area of 26.908 Ha. The area of 26.908 ha is not accessible due to steep slope and therefore could not be drilled. As per borehole data, these areas are interpreted to be devoid of iron ore as well as bauxite.	There was no exploration carried out during the year 2018-19. As per the modification of mining plan approved dated 15.05.2018, the Lease area explored as per UNFC norms as on 31.03.2018 under G1 is 161.36 Ha, and remaining unexplored area of 26.908 Ha. The area of 26.908 ha is not accessible due to steep slope and therefore could not be drilled. As per borehole data, these areas are interpreted to be devoid of iron ore as well as bauxite.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Specified	In 2018-19, there was no exploration proposal.	In 2018-19, there was no exploration proposal.

1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Proposed	There was no exploration carried out during the year 2018-19. As per the modification of mining plan approved dated 15.05.2018, the Lease area explored as per UNFC norms as on 31.03.2018 under G1 is 161.36 Ha, and remaining unexplored area of 26.908 Ha. The area of 26.908 ha is not accessible due to steep slope and therefore could not be drilled. and as per borehole data, these areas are interpreted to be devoid of iron ore as well as bauxite.	There was no exploration carried out during the year 2018-19. As per the modification of mining plan approved dated 15.05.2018, the Lease area explored as per UNFC norms as on 31.03.2018 under G1 is 161.36 Ha, and remaining unexplored area of 26.908 Ha. The area of 26.908 ha is not accessible due to steep slope and therefore could not be drilled. and as per borehole data, these areas are interpreted to be devoid of iron ore as well as bauxite.
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1e	Balance reserve as on 01/04/20	As per the modification of mining plan approved dated 15.05.2018, the reserve and resource as on 31.03.2018 is as follows. A. Iron Ore: Reserve is 41457266 tones and Remaining resources is 3203155 tones. Total Reserve and Resource is 44660421tones . B. Bauxite Ore: Reserve is 635796 tones and Remaining resources is 165924 tones. Total Reserve and Resource is 801720 tones.	During the year 2018-19, the ROM production from insitu excavation was 1531157.044 tones. Hence, updated iron ore reserves and resources after depleting the insitu ROM excavation as on 01.04.2019 is: A. Iron Ore: Reserve is 39926108.956 tones and remaining resources at 3203155 tones. Total reserve and resource is 43129263.956 tones. B. Bauxite Ore: There was no bauxite ore production during the year 2018-19. Hence, reserve is 39754000 tones and remaining resources at 3203000 tones.	During the year 2018-19, the ROM production from insitu excavation was 1531157.044 tones. Hence, updated iron ore reserves and resources after depleting the insitu ROM excavation as on 01.04.2019 is: A. Iron Ore: Reserve is 39926108.956 tones and remaining resources at 3203155 tones. Total reserve and resource is 43129263.956 tones. B. Bauxite Ore: There was no bauxite ore production during the year 2018-19. Hence, reserve is 39754000 tones and remaining resources at 3203000 tones.
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1f	General remarks of inspecting officers on geology, exploration etc	In 2018-19, there was no exploration proposal.	There was no exploration carried out during the year 2018-19. As per the modification of mining plan approved dated 15.05.2018, the Lease area explored as per UNFC norms as on 31.03.2018 under G1 is 161.36 Ha, and remaining unexplored area of 26.908 Ha. The area of 26.908 ha is not accessible due to steep slope and therefore could not be drilled and as per borehole data, these areas are interpreted to be devoid of iron ore as well as bauxite.	There was no exploration carried out during the year 2018-19. As per the modification of mining plan approved dated 15.05.2018, the Lease area explored as per UNFC norms as on 31.03.2018 under G1 is 161.36 Ha, and remaining unexplored area of 26.908 Ha. The area of 26.908 ha is not accessible due to steep slope and therefore could not be drilled and as per borehole data, these areas are interpreted to be devoid of iron ore as well as bauxite.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	217S-460S to 205W-540W	217S-430S to 205W-530W	Development done within the approved proposal.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There is no separate bench in top soil. Separate benches in overburden and mineral proposed.	There is no separate bench in top soil. Separate benches in overburden and mineral maintained.	There is no separate bench in top soil. Separate benches in overburden and mineral maintained.
2c	Stripping ratio or ore to OB ratio	1:0.14 (t/m3)	1:0.15 (t/m3)	1:0.15 (t/m3)

2d	Quantity of topsoil generation in m3	Proposal for top soil generation was 42 m3	Top soil generated during the year was 40 m3	Top soil generated during the year was 40 m3
2e	Quantity of overburden generation in m3	Proposed quantity of overburden generation from Opencast working in iron ore quarry was 245730 m3 and from dump rehandling 168000 m3	Quantity of overburden generated from Opencast working in iron ore quarry was 232749.68 m3 and 103234.68 m3 from dump rehandling.	Quantity of overburden generated from Opencast working in iron ore quarry was 232749.68 m3 and 103234.68 m3 from dump rehandling
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development proposed in iron ore quarry and bauxite quarry	Development work carried out in iron ore quarry as per proposal. Bauxite quarry was not developed.	Development work carried out in iron ore quarry as per proposal. Bauxite quarry was not developed.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	In 2018-19, two nos of pits, one iron quarry and one bauxite quarry was proposed for production	Only one iron ore quarry was developed for production of iron ore. Bauxite ore quarry was not put in operation.	Only one iron ore quarry was developed for production of iron ore. Bauxite ore quarry was not put in operation.
3b	Quantity of ROM mineral production proposed	Iron Ore: 2000110 tones and Bauxite: 50040 tones	Iron Ore: 1703214.889 tones and Bauxite production was Nil	Iron Ore: 1703214.889 tones and Bauxite production was Nil
3c	Recovery of sailable/usable mineral from ROM production	Iron Ore: 1778953 tones and Bauxite: 41700 tones	Iron Ore: 1703214.889 tones and Bauxite Ore: Nil. Bauxite quarry was not operated.	Iron Ore: 1703214.889 tones and Bauxite Ore: Nil. Bauxite quarry was not operated.
3d	Quantity of mineral reject generation	Iron Ore: 221157 tones and Bauxite: 8340 tones	Iron Ore: 120000 tones and Bauxite Ore: Nil. Bauxite quarry was not operated.	Iron Ore: 120000 tones and Bauxite Ore: Nil. Bauxite quarry was not operated.

3e	Grade of mineral rejects generation and threshold value declared.	Grade of mineral reject generation for Iron Ore is 45% -55% Fe. Threshold value of iron : 45% Fe	Grade of mineral reject generation for Iron Ore is 45% -55% Fe. Threshold value of iron : 45% Fe	Grade of mineral reject generation for Iron Ore is 45% -55% Fe. Threshold value of iron : 45% Fe
3f	Quantity of sub grade mineral generation.	Iron Ore: 221157 tones and Bauxite: 8340 tones	Iron Ore: 120000 tones and Bauxite Ore: Nil. Bauxite quarry was not operated.	Iron Ore: 120000 tones and Bauxite Ore: Nil. Bauxite quarry was not operated.
3g	Grade of sub grade mineral generation	Iron Ore-45 to 55% Fe	Iron Ore-45 to 55% Fe	Iron Ore-45 to 55% Fe
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	Mechanized
3j	Provision of drilling and blasting in mineral benches	Provision of drilling & blasting is proposed in mineral benches	Drilling & blasting done before excavation wherever required.	Drilling & blasting done before excavation wherever required.
3k	Provision of mining machineries in mineral benches	Excavator with Dumper combination is proposed for excavation and hauling of material	Excavator with Dumper combination has been deployed for excavation and hauling of material	Excavator with Dumper combination has been deployed for excavation and hauling of material
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height of 8 meter is proposed.	Bench height of 8 meter is suitable for method of mining proposed in mining plan and bench height is being maintained.	Bench height of 8 meter is suitable for method of mining proposed in mining plan and bench height is being maintained.
3m	Total area covered under excavation/pits	Area under mining at the end of plan period will be 33.843 ha	Area under mining at the end of 2018-19 is 31.436 ha	Area under mining at the end of 2018-19 is 31.436 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.14 (t/m3)	1:0.15 (t/m3)	1:0.15 (t/m3)



3o	Total area put in use under different heads at the end of year	Total area put in use under different heads at the end of plan period will be 71.221 ha	Total area put in use under different heads at the end of 2018-19 is 65.738 ha	Total area put in use under different heads at the end of 2018-19 is 65.738 ha
3p	Production of ROM mineral during the last five year period as applicable	Year wise Production proposal 2014-15: Iron-1402960 MT, Bauxite-116250 MT; 2015-16: Iron-2016900 MT, Bauxite-130250 MT; 2016-17: Iron-1950130 MT, Bauxite- 50076 MT; 2017-18: Iron-2000110 MT, Bauxite- 70044 MT; 2018-19: Iron-2000110 MT, Bauxite- 50040 MT	Year wise ROM production 2014-15: Iron-699489.275 MT, Bauxite- Nil; 2015-16: Iron-1400546.287 MT, Bauxite- Nil; 2016-17: Iron-1896148.804 MT, Bauxite- Nil; 2017-18: Iron-1950069.158 MT, Bauxite- Nil; 2018-19: Iron-1703214.889 MT, Bauxite- Nil;	Year wise ROM production 2014-15: Iron-699489.275 MT, Bauxite- Nil; 2015-16: Iron-1400546.287 MT, Bauxite- Nil; 2016-17: Iron-1896148.804 MT, Bauxite- Nil; 2017-18: Iron-1950069.158 MT, Bauxite- Nil; 2018-19: Iron-1703214.889 MT, Bauxite- Nil;
3q	General remarks of inspecting officers on method of mining etc.	In 2018-19, two nos of pits, one iron quarry and one bauxite quarry was proposed for production.	Only one iron ore quarry was developed for production of iron ore. Bauxite ore quarry was not put in operation. The mining operations are carried out by open cast mining method as proposed.	Only one iron ore quarry was developed for production of iron ore. Bauxite ore quarry was not put in operation. The mining operations are carried out by open cast mining method as proposed.

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Top soil generated will be stacked initially and proposed to be utilized over the waste dump and backfilled area concurrently for plantation purpose. Separate dumping of OB and mineral reject proposed.	Top soil generated have been utilized and OB and mineral reject have been dumped separately.	Top soil generated have been utilized and OB and mineral reject have been dumped separately.
4b	Location of topsoil, OB and mineral reject dumps	OB dump and Mineral rejects dump are proposed in the northern side of the lease area.	OB dump and Mineral rejects dump are maintained in the northern side of the lease area.	OB dump and Mineral rejects dump are maintained in the northern side of the lease area.
4c	Number of dumps within lease area and outside of lease area	One no of waste dump	One no of waste dump	One no of waste dump
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	Outside the UPL	Outside the UPL
4e	Number of active and alive dumps.	On no of dump	On no of dump	On no of dump
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	There is provision for construction of Retaining wall and garland drain all along the dump slope.	As per the provision in the mining plan, Retaining wall and garland drain were constructed all along the dump slope.	As per the provision in the mining plan, Retaining wall and garland drain were constructed all along the dump slope.

4i	Length of Retaining wall or garland drain all along dumps	In 2018-19, the length of retaining wall and garland drain proposed for construction was 450m and 200m respectively	In 2018-19, the length of retaining wall and garland drain constructed was 545m and 545m respectively	In 2018-19, the length of retaining wall and garland drain constructed was 545m and 545m respectively
4j	Number of settling ponds	There is no proposal of construction of settling ponds in the year 2018-19	No settling ponds were constructed within the mining lease area in the year 2018-19.	No settling ponds were constructed within the mining lease area in the year 2018-19.
4k	Specific comments of inspecting officer on waste dump management	Top soil generated will be stacked initially and proposed to be utilized over the waste dump area and backfilled concurrently for plantation purpose. Separate dumping of OB and mineral reject proposed. In 2018-19, the length of retaining wall and garland drain proposed for construction was 450m and 200m respectively.	Top soil generated have been utilized and OB and mineral reject have been dumped separately. In 2018-19, the length of retaining wall and garland drain constructed was 545m and 545m respectively.	Top soil generated have been utilized and OB and mineral reject have been dumped separately. In 2018-19, the length of retaining wall and garland drain constructed was 545m and 545m respectively.

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Solid Waste Management - Backfilling:

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Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Iron ore quarry is not matured for reclamation and rehabilitation .	Iron ore quarry is not matured for reclamation and rehabilitation.	Iron ore quarry is not matured for reclamation and rehabilitation.
5b	Area under backfilling of mined out area	0.167 ha is proposed to be backfilled in Bauxite quarry where mineral is exhausted.	An area of 0.167 ha in Bauxite Quarry has been back filled.	An area of 0.167 ha in Bauxite Quarry has been back filled.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Whatever top soil will generated in the plan period, will be spread over the waste dump concurrently for plantation along the dump slope.	Top soil has been utilized for plantation purpose.	Top soil has been utilized for plantation purpose.
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Iron ore quarry is not matured for reclamation and rehabilitation . 0.167 ha is proposed to be backfilled in bauxite quarry where mineral is exhausted.	Iron ore quarry is not matured for reclamation and rehabilitation. An area of 0.167 ha in Bauxite Quarry has been back filled.	Iron ore quarry is not matured for reclamation and rehabilitation. An area of 0.167 ha in Bauxite Quarry has been back filled.

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Progressive Mine Clousre Plan:

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Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Annual report on PMCP to be submitted as per Rule 26 (2) of MCDR, 2017	Annual report on PMCP for the year 2018-19 have been submitted	Annual report on PMCP for the year 2018-19 have been submitted
6b	Area available for rehabilitation (ha) .	3.007 Ha	3.007 Ha	3.007 Ha
6c	afforestation done (ha).	0.5ha	0.5ha	0.5ha
6d	No. of saplings planted during the year	1250 nos of saplings	5000 nos of saplings	5000 nos of saplings
6e	Cumulative no .of plants	3750 nos of saplings	5000 nos of saplings	5000 nos of saplings
6f	Any other method of rehabilitation	Not Proposed	Nil	Nil
6g	Cost incurred on watch and care during the year	Rs 50000	Rs.250000	Rs.250000
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	0.06 Ha	0.06 Ha	0.06 Ha
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.167 Ha	0.167 Ha	0.167 Ha
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not Proposed	Nil	Nil

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Proposed	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not Proposed	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not Proposed	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not Proposed	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not Proposed	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	monitoring of environmental parameters proposed	monitoring of environmental parameters is being done	monitoring of environmental parameters is being done
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Annual report on PMCP to be submitted as per Rule 26 (2) of MCDR, 2017	Annual report on PMCP for the year 2018-19 have been submitted. PMCP measures have been carried out as per proposal.	Annual report on PMCP for the year 2018-19 have been submitted. PMCP measures have been carried out as per proposal.

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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	Grade wise sorting within lease area	Grade wise sorting within lease area	Grade wise sorting within lease area
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	Mechanical
7c	Different grade of mineral sorted out at mines.	(a). Below 55 %Fe , (b). 55% Fe to below 58% Fe, (c). 58% Fe to Fe, below 58% Fe, (c). 58% Fe to Fe, below 60% Fe, (d). 60% Fe to below 62 % Fe, (e). 62% Fe to below 65 % Fe	(a). Below 55 %Fe , (b). 55% Fe to below 58% Fe, (c). 58% Fe to below 60% Fe, (d). 60% Fe to below 62 % Fe, (e). 62% Fe to below 65 % Fe	(a). Below 55 %Fe , (b). 55% Fe to below 58% Fe, (c). 58% Fe to below 60% Fe, (d). 60% Fe to below 62 % Fe, (e). 62% Fe to below 65 % Fe
7d	Any beneficiation process at mines .	Not Proposed	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Grade wise sorting within lease area	Grade wise sorting within lease area. Dry crushing and screening practiced.	Grade wise sorting within lease area. Dry crushing and screening practiced.

### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Whatever top soil will generated in the plan period, will be spread over the waste dump concurrently for plantation along the dump slope	Top soil has been utilised for plantation purpose.	Top soil has been utilised for plantation purpose.

8b	Concurrent use or storage of topsoil	Concurrent use of top soil proposed	Top soil has been utilized for plantation purpose	Top soil has been utilized for plantation purpose
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for overburden, waste rock, rejects proposed	Separate dumps for overburden, waste rock, rejects have been maintained.	Separate dumps for overburden, waste rock, rejects have been maintained.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	0.167 Ha area is proposed for backfilling	0.167 Ha area has been backfilled.	0.167 Ha area has been backfilled.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	0.167 Ha area is proposed for backfilling	0.167 Ha area has been backfilled.	0.167 Ha area has been backfilled.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1250 Nos proposed for plantation	During the year 2018-19, 5000 Nos of saplings have been planted.	During the year 2018-19, 5000 Nos of saplings have been planted.
8g	Survival rate	Not specified	Survival rate: 80%	Survival rate: 80%
8h	Water sprinkling on roads to control airborne dust	Mobile water sprinkling for dust suppression in haul roads	Mobile water sprinkling is being done for dust suppression in haul roads	Mobile water sprinkling is being done for dust suppression in haul roads
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Water sprinkling on haul roads have been proposed.	Water sprinkling on haul roads have is being done. Aesthetic beauty in and around mines have been maintained.	Water sprinkling on haul roads have is being done. Aesthetic beauty in and around mines have been maintained.



Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns and annual return for 2018-19 have been submitted.	Monthly returns and annual return for 2018-19 have been submitted.	Monthly returns and annual return for 2018-19 have been submitted.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information on Manager, Mining Engineer and Geologist furnished in annual return for 2018-19	Manager, Mining Engineer and Geologist have been appointed in mines.	Manager, Mining Engineer and Geologist have been appointed in mines.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Lease area (surface area) utilization at the end of the year as furnished in annual return for 2018-19. Covered under current working: 31.436 ha, Used for waste disposal: 7.563 Ha, Occupied by plant buildings, residential, welfare buildings & roads: 8.584 Ha, other purposes: 17.988 Ha	Lease area (surface area) utilization at the end of the year as furnished in annual return for 2018-19. Covered under current working: 31.436 ha, Used for waste disposal: 7.563 Ha, Occupied by plant buildings, residential, welfare buildings & roads: 8.584 Ha, other purposes: 17.988 Ha	Lease area (surface area) utilization at the end of the year as furnished in annual return for 2018-19. Covered under current working: 31.436 ha, Used for waste disposal: 7.563 Ha, Occupied by plant buildings, residential, welfare buildings & roads: 8.584 Ha, other purposes: 17.988 Ha
9d	Scrutiny of Annual return on afforestation	5000 nos of sapling planted as furnished in annual return of 2018-19	5000 nos of sapling planted as furnished in annual return of 2018-19	5000 nos of sapling planted as furnished in annual return of 2018-19
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Quantity of mineral reject generated was 120000 tones; Grade Below 55% Fe	Quantity of mineral reject generated was 120000 tones; Grade Below 55% Fe	Quantity of mineral reject generated was 120000 tones; Grade Below 55% Fe

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock of processed ore at mine head (in tonne) 1. Lumps 55% to below 58 % Fe: 6033.04 tones 2. Lumps 58% to below 60% Fe: 488241.917 tones 3. Lumps 60% to below 62% Fe: 64828.855 tones 4. Lumps 62% to below 65% Fe: 102.576 tones a. Fines below 55% Fe: 120000 tones b. Fines 55% to below 58% : 769254.41 tones c. Fines 58% to below 60% Fe: 49756.21 tones d. Fines 60% to below 62% Fe: 9.818 tones e. Fines 62% to below 65% Fe: 254008.848 tones	Closing stock of processed ore at mine head (in tonne) 1. Lumps 55% to below 58 % Fe: 6033.04 tones 2. Lumps 58% to below 60% Fe: 488241.917 tones 3. Lumps 60% to below 62% Fe: 64828.855 tones 4. Lumps 62% to below 65% Fe: 102.576 tones a. Fines below 55% Fe: 120000 tones b. Fines 55% to below 58% : 769254.41 tones c. Fines 58% to below 60% Fe: 49756.21 tones d. Fines 60% to below 62% Fe: 9.818 tones e. Fines 62% to below 65% Fe: 254008.848 tones	Closing stock of processed ore at mine head (in tonne) 1. Lumps 55% to below 58 % Fe: 6033.04 tones 2. Lumps 58% to below 60% Fe: 488241.917 tones 3. Lumps 60% to below 62% Fe: 64828.855 tones 4. Lumps 62% to below 65% Fe: 102.576 tones a. Fines below 55% Fe: 120000 tones b. Fines 55% to below 58% : 769254.41 tones c. Fines 58% to below 60% Fe: 49756.21 tones d. Fines 60% to below 62% Fe: 9.818 tones e. Fines 62% to below 65% Fe: 254008.848 tones
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9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price (in Rs per tonne) 1. Lumps 55% to below 58 % Fe: Rs 2000.00 2. Lumps 58% to below 60% Fe: Rs 2694.49 3. Lumps 60% to below 62% Fe: Rs 3041.12 a. Fines below 55% Fe: Rs 382.00 b. Fines 55% to below 58% : Rs 437.25 c. Fines 60% to below 62% Fe: Rs 1275.06 d. Fines 62% to below 65% Fe: Rs 2034.76.	Ex-mine price (in Rs per tonne) 1. Lumps 55% to below 58 % Fe: Rs 2000.00 2. Lumps 58% to below 60% Fe: Rs 2694.49 3. Lumps 60% to below 62% Fe: Rs 3041.12 a. Fines below 55% Fe: Rs 382.00 b. Fines 55% to below 58% : Rs 437.25 c. Fines 60% to below 62% Fe: Rs 1275.06 d. Fines 62% to below 65% Fe: Rs 2034.76.	Ex-mine price (in Rs per tonne) 1. Lumps 55% to below 58 % Fe: Rs 2000.00 2. Lumps 58% to below 60% Fe: Rs 2694.49 3. Lumps 60% to below 62% Fe: Rs 3041.12 a. Fines below 55% Fe: Rs 382.00 b. Fines 55% to below 58% : Rs 437.25 c. Fines 60% to below 62% Fe: Rs 1275.06 d. Fines 62% to below 65% Fe: Rs 2034.76.
9h	Scrutiny of Annual return on fixed assets	Rs 777976000 as furnished in annual return of 2018-19	Rs 777976000 as furnished in annual return of 2018-19	Rs 777976000 as furnished in annual return of 2018-19
9k	Scrutiny of Annual return on mining machineries	Rock drill (non-electric) 100 mm: 3 nos; back hoe (1.2 cum capacity): 8 nos; wheel loader (1.2 cum capacity): 5 nos; dozer (180 HO capacity): 1 no; Dumper (16 tones capacity): 15 nos etc.	Rock drill (non-electric) 100 mm: 3 nos; back hoe (1.2 cum capacity): 8 nos; wheel loader (1.2 cum capacity): 5 nos; dozer (180 HO capacity): 1 no; Dumper (16 tones capacity): 15 nos etc.	Rock drill (non-electric) 100 mm: 3 nos; back hoe (1.2 cum capacity): 8 nos; wheel loader (1.2 cum capacity): 5 nos; dozer (180 HO capacity): 1 no; Dumper (16 tones capacity): 15 nos etc.

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**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

**Date :**

(SHRI SUDIP RANJAN MAZUMDAR)

Indian Bureau of Mines