

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/GEM/KHD/MCDR-8/BBS

Mine code : 86ORI07010

- (i) Name of the Inspecting : **DJ03**) **DILIP JAIN**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Sri Mukesh Kumar Agarwal, Agent and Sri Bachelan Kuma
Official with
Designation
- (iv) Date of Inspection : 19/03/2019
- (v) Prev.inspection date : 28/06/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KUTINGPADAR (14.394 HA)**
- (b) **Registration NO.** : **IBM / 9691 / 2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : KALAHANDI
- Village : KUTINGPADAR
- Taluka : JUNAGARH
- Post office : DEDAR
- Pin Code : 766014
- FAX No. : 91-674-2550430
- E-mail : manikgems2000@gmail.com
- Phone : 91-674-2550644
- (f) Police Station : Junagarh
- (g) First opening date : 17/01/2005
- (h) Weekly day of rest : SUN
2. Address for : N-3/444, IRC VILLAGE
correspondance : NAYAPALLI
BHUBANESWAR
3. (a) Lease Number : ORI0781
- (b) Lease area : 14.39
- (c) Period of lease : 20
- (d) Date of Expiry : 11/01/2025
4. Mineral worked : IOLITE Main

5. Name and Address of the

Lessee : MANIKESWARI GEMS (P) LTD.
MANIKESWARI GEMS (P) LTD.
PLOT NO. N-1/65 IRC
VILLAGE, BHUBANESWAR KHURDA
ORISSA
Phone:06742550644
FAX :06742550430

Owner : Naresh Kumar Agrawal
Plot number: N1/65, IRC
Village Nayapalli,
Bhubaneshwar PIN: 751015
KHURDA ORISSA
Phone: 0674-2550644
FAX : 0674-2550430

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	19/12/2011
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	03/11/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal of the exploration for the reporting Year i.e. 2017-18.	No exploratory work has been carried out during 2017-18.	No exploratory work has been carried out during 2017-18. Mining Officer Kalahandi suspended the mining operation vide letter dated 19/03/2010 due to lack of statutory clearances like EC, CTO etc.
1b	Exploration over lease area for geological axis 1 or 2	As per approved document dated 03/11/2014, a total of 12 number of trench and 27 number of trial pits have been proposed from the year 2014-15 to 2016-17.	No exploratory work has been carried out during 2014-15 to 2017-18.	As the mining operations have been under suspension since 19/03/2010.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No specific proposal of exploration agency.	Exploration has not been carried out during the reporting year i.e. 2017-18 as no proposal of exploration.	As the mining operations have been under suspension since 19/03/2010.
1d	Balance area to be explored to bring Geological axis in 1 or 2	As per approved document dated 03/11/2014, out of total lease area of 14.39 ha an area of 13.17 ha to be explored.	As the mining operations were under suspension during scheme period, no exploratory work has been carried out in lease area. Hence, an area of 13.17 Ha yet to explore.	As the mining operations have been under suspension since 19/03/2010.

1e	Balance reserve as on 01/04/20	As per approved document dated 03/11/2014, the position of reserve and resource as of Iolite as on 01/04/2014 was as follows: Reserve: 1.207 MT Resource: 1.725 MT	Balance reserve and resource as on 01/04/2018 is as follows: Reserve: 1.207 MT Resource: 1.725 MT	MT stands for metric tonnes. Figures in proposal and actual are same as no mining operation during scheme period i.e. 2014-15 to 2018-19.
1f	General remarks of inspecting officers on geology, exploration etc	As per approved document dated 03/11/2014, a total of 12 number of trench and 27 number of trial pits have been proposed from the year 2014-15 to 2016-17.	No exploratory work has been carried out during 2014-15 to 2017-18.	Mining Officer Kalahandi suspended the mining operation due to lack of statutory clearances like EC, CTO etc.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development has been proposed at one location between grid line N85-105 and W295-470.	The development proposed could not be carried out due to suspension of mining operation.	Mining Officer Kalahandi suspended the mining operation vide letter dated 19/03/2010 due to lack of statutory clearances like EC, CTO etc.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposal has been given for separate benches/ excavation in top soil, OB and Mineral.	No developmental work during 2017-18 as mining operation was under suspension.	As the mining operations have been under suspension since 19/03/2010.
2c	Stripping ratio or ore to OB ratio	1:70.53 Kg/CuM	NIL.	As the mining operations have been under suspension since 19/03/2010.
2d	Quantity of topsoil generation in m3	2854 CuM.	NIL.	As the mining operations have been under suspension since 19/03/2010.
2e	Quantity of overburden generation in m3	14106 CuM	NIL.	As the mining operations have been under suspension since 19/03/2010.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development has been proposed at one location between grid line N85-105 and W295-470.	The development proposed could not be carried out due to suspension of mining operation.	As the mining operations have been under suspension since 19/03/2010.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One number of pit has been proposed for the production.	Already exist a one pit and lateral development has been proposed during the year 2017-18. No development during the reporting year.	Mining Officer Kalahandi suspended the mining operation vide letter dated 19/03/2010 due to lack of statutory clearances like EC, CTO etc.
3b	Quantity of ROM mineral production proposed	200 Kg	NIL.	As the mining operations have been under suspension since 19/03/2010.

3c	Recovery of sailable/usable mineral from ROM production	160 Kg.	NIL.	As the mining operations have been under suspension since 19/03/2010.
3d	Quantity of mineral reject generation	40 Kg.	NIL.	As the mining operations have been under suspension since 19/03/2010.
3e	Grade of mineral rejects generation and threshold value declared.	Semi-precious variety of Iolite has been considered as MR.	NIL.	As the mining operations have been under suspension since 19/03/2010.
3f	Quantity of sub grade mineral generation.	40 Kg.	NIL.	As the mining operations have been under suspension since 19/03/2010.
3g	Grade of sub grade mineral generation	Semi-precious variety of Iolite has been considered as MR.	NIL.	As the mining operations have been under suspension since 19/03/2010.
3h	Manual / Mechanised method adopted for segregating from ROM	Manual.	NIL.	As the mining operations have been under suspension since 19/03/2010
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation study has been proposed.	Not applicable as no proposal.	As the mining operations have been under suspension since 19/03/2010.
3j	Provision of drilling and blasting in mineral benches	No proposal of drilling and blasting in lease area.	Not applicable as no proposal.	As the mining operations have been under suspension since 19/03/2010.
3k	Provision of mining machineries in mineral benches	Excavator, tripper, water tanker and pump	No machine has been observed.	As the mining operations have been under suspension since 19/03/2010.

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height and width of the benches have been proposed to 3 mts each	No excavation work during the reporting year.	As the mining operations have been under suspension since 19/03/2010.
3m	Total area covered under excavation/pits	As per approved document dated 03/11/2014, at the end of the plan period i.e.2018-19, an area of 1.302 Ha has been proposed under the excavation.	0.488 Ha area as on 01/04/2018.	As no work during the scheme period.
3n	Ore to OB ratio for the pit/mine during the year.	1:70.53 Kg/CuM	NIL.	As the mining operations have been under suspension since 19/03/2010.
3o	Total area put in use under different heads at the end of year	As per approved document dated 03/11/2014, at the end of the plan period total area put under the different heads like excavation, OB dumping, Mineral Storage, Infrastructure , Road, Green belt etc. was 5.373 Ha.	As per approved document dated 03/11/2014, an area of 1.251 Ha has been utilized for mining and related activity as on 01/04/2018.	As the mining operations have been under suspension since 19/03/2010.

3p	Production of ROM mineral during the last five year period as applicable	2013-14 = 6.255 MT 2014-15 = 193 Kg 2015-16 = 200 Kg 2016-17 = 200 Kg 2017-18= 200 Kg	2013-14 = NIL. 2014-15 = NIL. 2015-16 =NIL. 2016-17=NIL. 2017-18=NIL.	As the mining operations have been under suspension since 19/03/2010.
3q	General remarks of inspecting officers on method of mining etc.	Other than fully mechanized opencast method of mining has been proposed to win the ore.	Excavation work could not be carried out in lease area due to suspension of mining operation in lease area.	Mining Officer Kalahandi suspended the mining operation vide letter dated 19/03/2010 due to lack of statutory clearances like EC, CTO etc.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Top soil and OB/waste has been proposed to dump separately.	No generation of top soil and OB during 2017-18 as the mining operation were under suspension.	Mining Officer Kalahandi suspended the mining operation vide letter dated 19/03/2010 due to lack of statutory clearances like EC, CTO etc.
4b	Location of topsoil, OB and mineral reject dumps	Top soil: N150-85/W135-220. Ob dump: N125-230/W490-665. No proposal of mineral rejects stacking in lease area.	No generation of top soil and OB during 2017-18 as the mining operation were under suspension.	As the mining operations have been under suspension since 19/03/2010.

4c	Number of dumps within lease area and outside of lease area	Within lease area: One new dump has been proposed and 8 old dumps exist in lease area. Outside lease area: no dumps.	Old 8 dumps exist in lease area. New dump could not be commenced due to suspension of mining operation.	As the mining operations have been under suspension since 19/03/2010.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	New dump proposed outside of the UPL.	No dumping during 2017-18 as mining operations were under suspension.	As the mining operations have been under suspension since 19/03/2010.
4e	Number of active and alive dumps.	Active dumps: 1 proposal.	NIL as mining operation were under suspension.	As the mining operations have been under suspension since 19/03/2010.
4f	Number of dead dumps.	Eight.	Eight.	NIL.
4g	Number of dumps established.	No proposal.	Not applicable as no proposal.	NIL.
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposal of retaining wall and garland drain has been envisaged.	Retaining wall and garland drain has been observed at places.	Mining operations have been under suspension since 19/03/2010.
4i	Length of Retaining wall or garland drain all along dumps	No proposal of retaining wall and Garland drain during 2017-18.	Not applicable as no proposal.	Mining operations have been under suspension since 19/03/2010.
4j	Number of settling ponds	No proposal of settling tank during 2017-18.	Not applicable as no proposal.	NIL.
4k	Specific comments of inspecting officer on waste dump management	Top soil and OB/waste has been proposed to dump separately.	No generation of top soil and OB during 2017-18 as the mining operation were under suspension.	Mining Officer Kalahandi suspended the mining operation vide letter dated 19/03/2010 due to lack of statutory clearances like EC, CTO etc.

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No area has been proposed for full extraction of the mineral	No extraction of the mineral during 2017-18.	Mining Officer Kalahandi suspended the mining operation vide letter dated 19/03/2010 due to lack of statutory clearances like EC, CTO etc
5b	Area under backfilling of mined out area	No area has been proposed for the backfilling during 2017-18 as no area matured for the purpose.	No work during year 2017-18.	As mining operations have been under suspension since 19/03/2010.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil was proposed to stack separately for future use.	No top soil has been generated during 2017-18.	As mining operations have been under suspension since 19/03/2010.
5d	Total area fully reclaimed and rehabilitated	No proposal of fully reclamation and rehabilitation during 2017-18.	Not applicable as no proposal.	NIL.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No area has been proposed for full extraction of the mineral. Hence, no proposal of backfilling.	No extraction of the mineral during 2017-18. Hence, no backfilling.	As mining operations have been under suspension since 19/03/2010.

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).	As per rule 26(2) of MCDR, 2017, PMCP report to be submitted for previous year by 1st July.	Annual report of PMCP has not been submitted for the year 2017-18.	Violation of rule has been issued vide letter dated 29/03/2019.

6b	Area available for rehabilitation (ha) .	Rehabilitation of an area of 0.213 Ha along safety zone has been proposed.	Rehabilitation work could not be completed due to suspension of mining operation.	As mining operations have been under suspension since 19/03/2010.
6c	afforestation done (ha).	An area of 0.213 Ha has been proposed for afforestation along safety zone.	Afforestation work could not be carried out due to suspension of mining operation.	As mining operations have been under suspension since 19/03/2010.
6d	No. of saplings planted during the year	A total of 340 number of saplings.	NIL as mining operations have been under suspension since 19/03/2010.	NIL.
6e	Cumulative no .of plants	A total of 1694 numbers of saplings have been proposed from 2014-15 to 2018-19.	NIL as on date of inspection as mining operations have been under suspension since 19/03/2010.	NIL.
6f	Any other method of rehabilitation	No specific proposal of rehabilitation other than plantation.	Not applicable as no proposal.	NIL.
6g	Cost incurred on watch and care during the year	No specific proposal on cost of watch and ward.	Not applicable as no proposal.	NIL.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal of backfilling as no area is supposed to be completely exhausted.	Not applicable as no proposal.	NIL.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal of backfilling as no area is supposed to be completely exhausted.	Not applicable as no proposal.	NIL.

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	As no proposal of backfilling. Hence, no proposal of afforestation on backfilled area.	Not applicable as no proposal.	NIL.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal of making of water reservoir.	Not applicable as no proposal.	NIL.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No specific proposal on reclamation and rehabilitation by any other specific means other than plantation in safety zone.	Not applicable as no proposal.	NIL.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal of rehabilitation over waste land.	Not applicable as no proposal.	NIL.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal of rehabilitation over waste land.	Not applicable as no proposal.	NIL.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal of rehabilitation over waste land.	Not applicable as no proposal.	NIL.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposal has been given for environment monitoring in core and buffer zone.	Environment Monitoring has not been carried out as the mining operations were under suspension.	As mining operations have been under suspension since 19/03/2010

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No proposal of reclamation during 2017-18. However, An area of 0.213 Ha has been proposed for afforestation along safety zone.	Afforestation work could not be carried out due to suspension of mining operation.	As mining operations have been under suspension since 19/03/2010.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Semi-precious and precious variety of Iolite has been proposed to segregate.	No work of sorting as mining operations was under suspension.	Mining Officer Kalahandi suspended the mining operation vide letter dated 19/03/2010 due to lack of statutory clearances like EC, CTO etc.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	No work of sorting as mining operations was under suspension.	As mining operations have been under suspension since 19/03/2010.
7c	Different grade of mineral sorted out at mines.	Semi-precious and precious variety of Iolite has been proposed to segregate based on the commercial value.	No work of sorting as mining operations was under suspension.	As mining operations have been under suspension since 19/03/2010.
7d	Any beneficiation process at mines	No proposal of beneficiation.	Not applicable as no proposal.	NIL.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Semi-precious and precious variety of Iolite has been proposed to segregate.	No work of sorting as mining operations was under suspension.	As mining operations have been under suspension since 19/03/2010.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil was proposed remove separately and stacked separately.	No top soil generation as mining operations were under suspension.	Mining Officer Kalahandi suspended the mining operation vide letter dated 19/03/2010 due to lack of statutory clearances like EC, CTO etc.
8b	Concurrent use or storage of topsoil	No proposal of use of top soil during 2017-18.	No top soil generation as mining operations were under suspension.	As mining operations have been under suspension since 19/03/2010.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump has been proposed for waste dumping. Semi-precious Iolite has been proposed to store in-house.	No fresh waste and mineral reject has been generated as mining operations were under suspensions.	Mining operations have been under suspension since 19/03/2010.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal of use of waste for backfilling as no area is proposed for complete extraction of mineral.	Not applicable as no proposal.	NIL.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	An area of 0.213 Ha has been proposed for rehabilitation by the way afforestation along safety zone.	NIL as mining operations have been under suspension since 19/03/2010.	As mining operations have been under suspension since 19/03/2010.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	A total of 1694 numbers of saplings have been proposed from 2014-15 to 2018-19.	NIL as mining operations have been under suspension since 19/03/2010.	As mining operations have been under suspension since 19/03/2010.

8g	Survival rate	No specific proposal.	NIL as mining operations have been under suspension since 19/03/2010.	As mining operations have been under suspension since 19/03/2010.
8h	Water sprinkling on roads to control airborne dust	To control the airborne dust water sprinkling has been proposed.	Water sprinkling has not been observed.	As mining operations have been under suspension since 19/03/2010.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	To improve the aesthetic beauty of mines proposal of plantation has been envisaged in safety zone area.	Plantation work could not be carried out as per proposal due to suspension of mining operation.	Mining Officer Kalahandi suspended the mining operation vide letter dated 19/03/2010 due to lack of statutory clearances like EC, CTO etc.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	As per rule 45 of MCDR, monthly and annual returns to be submitted.	Monthly and annual returns have been submitted regularly	Scrutiny of AR 2017-18.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information has not been furnished for Mining Engineer, Geologist and Manager.	Mining engineer, Geologist and Manager has not been appointment as the mining operations were under suspension since 19/03/2010.	Scrutiny of AR 2017-18.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under o/c working and exploited: 0.75 ha, Waste dumping: 0.656 Ha etc.	The land details furnished in AR seems to be in order	Scrutiny of AR 2017-18.
9d	Scrutiny of Annual return on afforestation	NIL.	No plantation during 2017-18 due to suspension of mining operations.	Scrutiny of AR 2017-18.

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL.	Mineral reject has not been generated due to suspension of Mining operations.	Scrutiny of AR 2017-18.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock-NIL. Rough and uncut stone: 693.8 Kg	Seems to be in order.	Figures as per AR 2017-18 as on 01/04/2018
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price: NIL Cost of production: NIL.	No dispatch and production has been reported during the year.	As per AR 2017-18.
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets furnished is Rs. 16089642/- (including the cost of cutting and polishing unit at outside of the lease area).	Appears to be in order.	As per AR 2017-18.
9k	Scrutiny of Annual return on mining machineries	No information has been furnished about mining machineries.	It is observed that no mining machineries have been deployed.	As mining operations have been under suspension since 19/03/2010.

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)	29/03/2019			

Date :

(DILIP JAIN)

Indian Bureau of Mines