

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

**MCDR inspection REPORT
Ranchi regional office**

Mine file No : JHK/SKK//GOLD-01/RRO/2020

Mine code : 27JHK22001

- (i) Name of the Inspecting : **E025**) **NAMAN EKKA**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 07/03/2020
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **LAWA GOLD MINE**
- (b) **Registration NO.** : **IBM/4743/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Underground
- (e) Postal address :
State : JHARKHAND
District : SARAIKELA-KHARASWAN
Village :
Taluka :
Post office :
Pin Code :
FAX No. : 0657-2301243
E-mail : mmiplindia@gmail.com/ mmip.
Phone : 0657-2301243
- (f) Police Station : NIMDIH
- (g) First opening date : 15/07/2018
- (h) Weekly day of rest : SUN
2. Address for correspondence : VILL.-LAWA, P.S.- NIMDIH,
SUB DIVISION- CHANDIL,
DIST. - SARAIKELA - KHARSAWAN
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : GOLD Main

5. Name and Address of the

Lessee : MANMOHAN MINERAL INDUSTRIES LTD.
SHANTI NIKETAN, 286 NEW
PATALIPUTRA COLONY PATNA
PATNA BIHAR
Phone: 0612-266668
FAX :

Owner : GAURAV AGRAWAL (DIRECTOR)
E/75, EAST LAYOUT, NEAR
AERODROME, SONARI,
JAMSHEDPUR SINGHBHUM (EAST)
JHARKHAND
Phone: 0657-3090313
FAX : 0657-2310073

Manager

Name : SARJU PANDEY
Qualification :
Appointment/ :
Termination date

6. Date of approval of Mining : Fresh under rule 22 MCR1960 18/07/2011
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	The Mines was opened in July 2018, where as there was proposal to drill 02 BH in Tamapahar Section and 03 BH in Ladhakan Section during 2018-19, Subsequently there was proposal to drill 01 BH in tamaphar Section and 05 BH in Ladhakan Section during 2019-20.	The Yearly proposal of drilling the BH during 2018-19 and 2019-20 was not completed.	Violation of Rule 11(1) of MCDR of 2017 has been issued.
1b	Exploration over lease area for geological axis 1 or 2	No proposal	The Entire area ahs been explored in G2 Axis.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	The Mines was opened in July 2018, where as there was proposal to drill 02 BH in Tamapahar Section and 03 BH in Ladhakan Section during 2018-19, Subsequently there was proposal to drill 01 BH in tamaphar Section and 05 BH in Ladhakan Section during 2019-20.	The Yearly proposal of drilling the BH during 2018-19 and 2019-20 was not completed.	Violation of Rule 11(1) of MCDR of 2017 has been issued.

1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal	The entire area has been explored in G3.
1e	Balance reserve as on 01/04/20		Balance Reserve as on 01/07/2020 111 - 14327 tons, 4.8 g/ton 122 - 7290 tons, 2 g/tons 332 - 27380 tons, 2 g/tons 332 - 19950 tons, 1.9 g/tons
1f	General remarks of inspecting officers on geology, exploration etc		The entire area has not been drilled in G1 axis for proper delineation of the ore body, whereas sub-surface exploration has been carried out during development stage to trace the width of the ore body and grade of mineral.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Proposal to develop Lalkhadan Section and Balukhand section	Development in Lalkhadan section and Balukhand section was in progress at the time of inspection.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal for stopes	No stopes developed.	
2c	Stripping ratio or ore to OB ratio	0.01:1	0.01:1, here OB is Hangwall and footwall waste in which thin veins of ore is running.	
2d	Quantity of topsoil generation in m3	No proposal	Mine is a UG mine hence no proposal of Topsoil.	

2e	Quantity of overburden generation in m3	No proposal	Mine is a UG mine hence no proposal of Topsoil.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Mine is under development stage of Adits of Lalkhadan Section and Balukhand Section. Mine is under development stage of Adits of Lalkhadan Section and Balukhand Section.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No stopes proposed for production.	No stopes ready for production.	
3b	Quantity of ROM mineral production proposed	No poposal for ROM Mineral Production.	1638 Tons of ROM Mineral Production during 2018-19	
3c	Recovery of sailable/usable mineral from ROM production	No proposal	Recovered Usable mineral form ROM Mineral production.	
3d	Quantity of mineral reject generation	No proposal	1638 Tons of mineral reject generated during 2018-19	
3e	Grade of mineral rejects generation and threshold value declared.		Mineral rejects were devoided of Aurefereous Gold. No thereshold value has been declared for Gold.	
3f	Quantity of sub grade mineral generation.	No proposal	No sub-grade mineral generated.	
3g	Grade of sub grade mineral generation	No proposal	No sub-grade mineral generated.	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	No such study carried out after opening of Mine.	

3j	Provision of drilling and blasting in mineral benches	Provision of Drilling and blasting during development stages and in stopes	Drilling and blasting done during development stages.	
3k	Provision of mining machineries in mineral benches	There is proposal of mining machineries during development stages	Mining Machineries deployed during development stages.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No such proposal	Mine is a UG Mine.	
3m	Total area covered under excavation/pits	No such proposal	Mine has recently been opened in 2018	
3n	Ore to OB ratio for the pit/mine during the year.	No proposal	No OB generated	
3o	Total area put in use under different heads at the end of year	No proposal	Mine is a UG Mine.	
3p	Production of ROM mineral during the last five year period as applicable		2018-19 - 1638 Tons, Mine is opened in July 2018	
3q	General remarks of inspecting officers on method of mining etc.			Underground Mining method is being done, and is suitable for the type of deposit.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal	Mine is UG Mine.	

4b	Location of topsoil, OB and mineral reject dumps	No proposal	Mine is UG Mine.	
4c	Number of dumps within lease area and outside of lease area	No proposal	Mine is UG Mine.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Mine is UG Mine.	
4e	Number of active and alive dumps.	No proposal	Mine is UG Mine.	
4f	Number of dead dumps.	No proposal	NA	
4g	Number of dumps established.	No proposal	NA	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	NA	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	NA	
4j	Number of settling ponds	No proposal	NA	
4k	Specific comments of inspecting officer on waste dump management		Waste is being dumped in the forms of tailings outside the lease area owned by the lessee.	Waste is being dumped in the forms of tailings outside the lease area owned by the 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.	No proposal	Mining has started from July 2018 so no backfilling process.	
5b	Area under backfilling of mined out area	No proposal	No work done.	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	No work done.	
5d	Total area fully reclaimed and rehabilitated	No proposal	No work done towards reclamation and rehabilitation.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Mining has started from July 2018 so no backfilling process. No work done towards reclamation and rehabilitation.	Mining has started from July 2018 so no backfilling process. No work done towards reclamation and rehabilitation.

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).		Anuual Report on PMCP No suubmitted.	Violation of Rule 26(2) of MCDR 2017 has been issued.
6b	Area available for rehabilitation (ha) .	No proposal	Anuual Report on PMCP No suubmitted.	
6c	afforestation done (ha).	No proposal	Anuual Report on PMCP No suubmitted.	
6d	No. of saplings planted during the year		Anuual Report on PMCP No suubmitted.	
6e	Cumulative no .of plants		Anuual Report on PMCP No suubmitted. nearly 50 nos. of plants have been planted during 2018-19 within the lease area.	
6f	Any other method of rehabilitation	No such Proposal.	Anuual Report on PMCP No suubmitted.	
6g	Cost incurred on watch and care during the year	No proposal	Anuual Report on PMCP No suubmitted.	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Annuual Report on PMCP No suubmitted. Mine has recently been opend in 2018
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No such proposal for 2018-19	Annuual Report on PMCP No suubmitted. Mine has recently been opend in 2018
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No such proposal for 2018-19	Annuual Report on PMCP No suubmitted. Mine has recently been opend in 2018
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal for 2018-19	Annuual Report on PMCP No suubmitted. Mine has recently been opend in 2018
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No such proposal for 2018-19	Annuual Report on PMCP No suubmitted. Mine has recently been opend in 2018
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No such proposal for 2018-19	Annuual Report on PMCP No suubmitted. nearly 50 nos. of plants have been planted during 2018-19 within the lease area.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No Proposal for 2018-19	Annuual Report on PMCP No suubmitted. Mine being UG mine nearly 50 nos. of plants have been planted during 2018-19 within the lease area.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No Proposal for 2018-19	No work done.

6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Environment monitoring done.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Annual Report on PMCP No submitted. No work done towards PMCP, Mine has recently been opened in 2018	Annual Report on PMCP No submitted. No work done towards PMCP, Mine has recently been opened in 2018

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Beneficiation within the lease area.	Beneficiation within the lease area.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal for grade wise sorting	No work done.	
7c	Different grade of mineral sorted out at mines.	No proposal for grade wise sorting	No work done.	
7d	Any beneficiation process at mines .	No beneficiation process within the mine	No beneficiation process within the mine	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		No beneficiation process within the mine, Leaching is done outside the mine within the lease area.	No beneficiation process within the mine, Leaching is done outside the mine within the lease area.

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	No topsoil generated, Mine being UG Mine.	

8b	Concurrent use or storage of topsoil	No proposal	No topsoil generated, Mine being UG Mine.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	No OB, generated, Only Waste rock generated Mine being UG Mine.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	The waste rock being generated is used for levelling the Land within the lease area.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	No work done	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal	No work carried out.	
8g	Survival rate	80 %	Nearly 65 % survival rate	
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling is done in the UG roads.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		The mine is on the Hill and its entrance is through Adits, the mine is a UG mine, Beneficiation plant is within the lease area. The mine is nearly 02 kms away from the Chandil Dam.	The mine is on the Hill and its entrance is through Adits, the mine is a UG mine, Beneficiation plant is within the lease area. The mine is nearly 02 kms away from the Chandil Dam.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly and Annual Returns Not submitted.	Violation of Rule 45 for non-submission has been issued.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Monthly and Annual Returns Not submitted. Mining engineer, Geologist and Manager available at the time of inspection.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Monthly and Annual Returns Not submitted.	
9d	Scrutiny of Annual return on afforestation	Monthly and Annual Returns Not submitted. however as reported narly 50 nos. of plants have been planted during 2018-19 within the lease area.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Monthly and Annual Returns Not submitted.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Monthly and Annual Returns Not submitted.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Monthly and Annual Returns Not submitted.	
9h	Scrutiny of Annual return on fixed assets	Monthly and Annual Returns Not submitted.	
9k	Scrutiny of Annual return on mining machineries	Monthly and Annual Returns Not submitted. During the time of inspectoion mining machineries were deployed in the mine.	

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)	12/06/2020	MCDR17	Rule 11(1)	12/06/2020 26/11/2020
MCDR17	Rule 26(2)	12/06/2020	MCDR17	Rule 26(2)	12/06/2020 26/11/2020
MCDR17	Rule 27(1)	12/06/2020	MCDR17	Rule 27(1)	12/06/2020 26/11/2020
MCDR17	Rule 35(2)	12/06/2020	MCDR17	Rule 35(2)	12/06/2020 26/11/2020

Date :

(NAMAN EKKA)

Indian Bureau of Mines