

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/TNK-56/GRNT-18

Mine code : 26RAJ25036

- (i) Name of the Inspecting : **G021**) **D R GURJAR**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. Chandragupt Bahal, Owner & Sh. Govind Singh Naruk
Official with
Designation
- (iv) Date of Inspection : 28-MAY-19
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KALYANPURA 3/93**
- (b) **Registration NO.** : **IBM/21754/2017**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : RAJASTHAN
District : TONK
Village :
Taluka :
Post office :
Pin Code :
FAX No. : Nil
E-mail : cg_bahl@yahoo.com
Phone : 09810834149
- (f) Police Station : Deoli
- (g) First opening date : 13-MAR-03
- (h) Weekly day of rest : SUN
2. Address for : M/s Nandini Minerals Pvt. Ltd.
correspondance : 302 Fancy Apartment, 19, Vasundhara Enclave
Delhi
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : GARNET Main

5. Name and Address of the

Lessee : NANDINI MINERALS PVT. LTD.
302 Fancy Partment 19,
Vasundhara Enclave Delhi
DELHI DELHI
Phone:09810834149
FAX :

Owner : M/s Nandini Minerals Pvt. Ltd.
302 Fancy Appartment, 19,
Vasundhara Enclave Delhi
DELHI DELHI
Phone: 09810834149
FAX : Nil

6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No backlog of previous year.	Not applicable.	
1b	Exploration over lease area for geological axis 1 or 2	No proposal during the year 2018-19.	Not applicable.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal during the year 2018-19.	Not applicable.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Earlier the exploration has been carried out by way of pitting & trenching.	By way of trenching and pitting total 0.843 hect. area has been explored up to G1 level.	In the recently approved review of mining plan the proposal of entire lease area(4.8 hect.) for G1 level exploration by way of core bore holes drilling has been proposed during the year 2019-20.
1e	Balance reserve as on 01/04/20	Reserve as on 01.04.2019 111: 222 tonnes (2.22 tonnes Gem Garnet) 121& 122: 296 tonnes(2.96 tonnes Gem Garnet)	Reserve as on 01.04.2019 111: 222 tonnes (2.22 tonnes Gem Garnet) 121& 122: 296 tonnes(2.96 tonnes Gem Garnet)	
1f	General remarks of inspecting officers on geology, exploration etc			By way trenching and pitting 0.843 hect. area has been explored up to G1 level.In the recently approved review of mining plan the proposal of entire lease area(4.8 hect.) for G1 level exploration by way of core bore holes during the year 2019-20 has been given.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Mine Development was proposed in Pit no. 1 & Pit no. 2 in North western part of the lease area along the lease boundary EQ.	No Mine development activity has been carried during the last year 2018-19.	Mining opeartion has already been suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes proposal are given	No Mine development activity has been carried during the last year 2018-19.	Mining opeartion has already been suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
2c	Stripping ratio or ore to OB ratio	1:115.66(2018-19)	Nil	No mining operation has been carried out during the year 2018-19 & Mining opeartion has also been suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
2d	Quantity of topsoil generation in m3	No top soil generation proposal	Nil.	No mining operation has been carried out during the year 2018-19 & Mining opeartion has also been suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
2e	Quantity of overburden generation in m3	During the year 2018-19 total waste generation proposal(OB/SB /IB) cubic meter.	None	No mining operation has been carried out during the year 2018-19 & Mining opeartion has also been suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No mine development has been carried out during the last year and Mining operation has been suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	02 Pits	No production has been carried out during the year 2018-19 & two old pits are there.	Mining operation has been suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
3b	Quantity of ROM mineral production proposed	During the year 2018-19 total 36 tonnes garnet production was proposed. Out of this 0.36 tonne production of Gem variety Garnet production was proposed.	Nil	Mining operation has been suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
3c	Recovery of sailable/usable mineral from ROM production	1% Recovery of Gem variety Garnet from total Garnet production.	Nil	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal of mineral reject generation.	Not applicable.	
3f	Quantity of sub grade mineral generation.	No Subgrade mineral generation proposal	Nil	

3g	Grade of sub grade mineral generation	No subgrade mineral generation proposal given.	Not applicable.
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposal given	None
3j	Provision of drilling and blasting in mineral benches	No provision of drilling and blasting was given.	None
3k	Provision of mining machineries in mineral benches	Manual mining with hand tools.	No mining has been carried out during the year 2018-19.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes,	No mine development and production has been carried out during the year 2018-19.
3m	Total area covered under excavation/pits	As per approved modified mining plan up to the end of year 2018-19 total 0.20 hect. area will be use under pits.	Approximately 0.18 Hect. area has been covered under pits up to the end of year 2018-19.
3n	Ore to OB ratio for the pit/mine during the year.	1:115.66(2018-19)	Nil
3o	Total area put in use under different heads at the end of year	0.69 Hect. area was proposed to be use up to the end of year 2018-19.	Approximately 0.44 Hect. area used under different heads up to the year 2018-19.

3p	Production of ROM mineral during the last five year period as applicable	2014-15: No proposal 2015-16: No proposal 2016-17:16 tonnes, 2017-18:36 tonnes, 2018-19:36 tonnes,	2014-15: Nil 2015-16: Nil 2016-17:Nil 2017-18:Nil 2018-19:Nil	Production figure are taken from review chapter of earlier approved Modified mining Plan/ Review of Mining Plan. Lessee is not submitting returns and mine is already suspended under rule 11(2) on 20.11.2018 for non complinace rule 27(2), 45(5)(b) & 45(5)(c) of MCDR 2017.
3q	General remarks of inspecting officers on method of mining etc.			Method of mining is suitable to the deposit.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	During the year 2018-19 no proposal of top soil generation only waste generation was proposed. The proposal of separate dumping of waste was given.	No mining has been carried out during the year 2018-19 hence no waste dumping has been carried out during the year 2018-19.	
4b	Location of topsoil, OB and mineral reject dumps	Topsoil: No proposal Waste(OB/IB/SB):Local grid 115N to 2015N & 95E to 150E Mineral reject: No proposal	Durng the year 2018-19 Top soil: Not generated, Waste(OB/IB/SB):Not generated Mineral Reject: Not generated.	No mining operation has been carried out during the year 2018-19 & Mining opeartion has also been suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.

4c	Number of dumps within lease area and outside of lease area	One dump proposed within the lease area & five very small old dumps near old working pits.	No waste dump was observed on proposed location, however five very small old waste dumps near old pits were observed.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Exisitng old waste dumps near old working pits are within ultimate pit limit.	Exisitng old waste dumps near old working pits are within ultimate pit limit.	
4e	Number of active and alive dumps.	One Waste dump within the Local grid 115N to 2015N & 95E to 150E	Nil	No mining operation has been carried out during the year 2018-19 & Mining opeartion has also been suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
4f	Number of dead dumps.	Five very small dead dumps near around old working pits.	Five very small dead dumps near around old working pits.	
4g	Number of dumps established.	No such proposal given	None	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes, retaining wall proposal given for the year 2018-19.	Nil	No mining operation has been carried out during the year 2018-19 & no waste dump was oserved on proposed location.
4i	Length of Retaining wall or garland drain all along dumps	20m retaining wall proposal given for the year 2018-19.	Nil	No mining operation has been carried out during the year 2018-19 & no waste dump was oserved on proposed location.
4j	Number of settling ponds	No proposal	None	
4k	Specific comments of inspecting officer on waste dump management			No alive waste dump was observed only few old waste dumps near old working pits were observed.

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 mineral from mined out area before starting of backfilling.	None	
5b	Area under backfilling of mined out area	During the last modified mining plan period approximately 150 square meter area in Northern part of Pit no. 2 was proposed to backfill.	None	No mining operation has been carried out during the year 2018-19 & Mining opeartion has also been suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil generation proposal given.	No top soil generated during the year 2018-19.	
5d	Total area fully reclaimed and rehabilitated	Approximately 150 square meter area in Northern part of Pit no. 2 was proposed to backfill.	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No backfilling has been carried out as proposed in last modified mining plan period. Mining opeartion has been suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.

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).	Not submitted.	PMCP report for the year 2018-19 has not been submitted.	Mining opeartion suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.

6b	Area available for rehabilitation (ha) .	0.11 Hect.	Nil	Mining opearation suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
6c	afforestation done (ha).	0.11 hect. area proposed.	Nil	Mining opearation has been suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
6d	No. of saplings planted during the year	25 nos. saplings(2018-19)	Nil	Mining opearation has been suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
6e	Cumulative no .of plants	No such proposal given.	Information not available.	Mining opearation has been suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
6f	Any other method of rehabilitation	No proposal	None	
6g	Cost incurred on watch and care during the year	Rs. 5000 per year.	Nil	Mining opearation suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No such proposal given for the year 2018-19.	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	During the last modified mining plan period approximately 150 square meter area in Northern part of Pit no. 2 was proposed to backfill.	Nil	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No such proposal given for the year 2018-19.	Not applicable.	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal given for the year 2018-19.	Not applicable.	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Not applicable.	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	0.11 Hect.	Nil	Mining operation suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.11 hect. area. by way of plantation.	Nil	Mining operation suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation.	Plantation.	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring shall be carried out.	No information available.	Mining operation suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Mine is not working and PMCP report not submitted by the lessee. Mining operation has already been suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	After recovery of approximately 1% gem variety garnet from all ROM garnet mineral remaining abrasive garnet mineral(99%) will be dispatched.	None during the year 2018-19.	Mining operation suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Gem variety garnet & abrasive garnet.	None during the last year.	
7d	Any beneficiation process at mines	No proposal	None	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			At present mine is not working and Mining operation suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil generation proposal for the year 2018-19.	Not applicable.	
8b	Concurrent use or storage of topsoil	No top soil generation proposal for the year 2018-19.	Not applicable.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes proposal given.	No mining operation has been carried out during the last year and no waste dump was observed on proposed location.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Some quantity of waste rock will also be used for construction and miantenance of kachha rasta within lease area.	Mine is not working during the year 2018-19.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Mine is not working during the year 2018-19, no raclamation work has been carried out during the last year.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	25 nos. of plantation has been proposed during the year 2018-19.	Nil	Mining opearation has been suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
8g	Survival rate	No such proposal given.	N/A	Mining opearation has been suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.
8h	Water sprinkling on roads to control airborne dust	Proposal given	Currently mine is not working and water sprinkling was not observed.	Mining opearation has been suspended under Rule 11(2) of MCDR 2017 by this office on 20-11-2018.

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty in and around mines area is good except degradation of land by pits and dumps.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns & annual returns not submitted by the lessee.	Monthly returns & annual returns not submitted by the lessee.	Lessee is not submitting monthly & annual returns.Mine is already suspended under rule 11(2) on 20.11.2018 for non compliance of rules 27(2), 45(5)(b) & 45(5)(c) of MCDR 2017. Further for non submission of Monthly and Annual Returns by the lessee, State Govt. has been requested regularly to take appropriate action as per rule 45 of MCDR 2017.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Annual return 2018-19 not submitted.	Annual return 2018-19 not submitted.	Lessee is not submitting monthly & annual returns.Mine is already suspended under rule 11(2) on 20.11.2018 for non compliance of rules 27(2), 45(5)(b) & 45(5)(c) of MCDR 2017. Further for non submission of Monthly and Annual Returns by the lessee, State Govt. has been requested regularly to take appropriate action as per rule 45 of MCDR 2017.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Annual return 2018-19 not submitted.	Annual return 2018-19 not submitted.	Lessee is not submitting monthly & annual returns.Mine is already suspended under rule 11(2) on 20.11.2018 for non compliance of rules 27(2), 45(5)(b) & 45(5)(c) of MCDR 2017. Further for non submission of Monthly and Annual Returns by the lessee, State Govt. has been requested regularly to take appropriate action as per rule 45 of MCDR 2017.
9d	Scrutiny of Annual return on afforestation	Annual return 2018-19 not submitted.	Annual return 2018-19 not submitted.	Lessee is not submitting monthly & annual returns.Mine is already suspended under rule 11(2) on 20.11.2018 for non compliance of rules 27(2), 45(5)(b) & 45(5)(c) of MCDR 2017. Further for non submission of Monthly and Annual Returns by the lessee, State Govt. has been requested regularly to take appropriate action as per rule 45 of MCDR 2017.

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Annual return 2018-19 not submitted.	Annual return 2018-19 not submitted.	Lessee is not submitting monthly & annual returns.Mine is already suspended under rule 11(2) on 20.11.2018 for non compliance of rules 27(2), 45(5)(b) & 45(5)(c) of MCDR 2017. Further for non submission of Monthly and Annual Returns by the lessee, State Govt. has been requested regularly to take appropriate action as per rule 45 of MCDR 2017.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Annual return 2018-19 not submitted.	Annual return 2018-19 not submitted.	Lessee is not submitting monthly & annual returns.Mine is already suspended under rule 11(2) on 20.11.2018 for non compliance of rules 27(2), 45(5)(b) & 45(5)(c) of MCDR 2017. Further for non submission of Monthly and Annual Returns by the lessee, State Govt. has been requested regularly to take appropriate action as per rule 45 of MCDR 2017.

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Annual return 2018-19 not submitted.	Annual return 2018-19 not submitted.	Lessee is not submitting monthly & annual returns.Mine is already suspended under rule 11(2) on 20.11.2018 for non compliance of rules 27(2), 45(5)(b) & 45(5)(c) of MCDR 2017. Further for non submission of Monthly and Annual Returns by the lessee, State Govt. has been requested regularly to take appropriate action as per rule 45 of MCDR 2017.
9h	Scrutiny of Annual return on fixed assets	Annual return 2018-19 not submitted.	Annual return 2018-19 not submitted.	Lessee is not submitting monthly & annual returns.Mine is already suspended under rule 11(2) on 20.11.2018 for non compliance of rules 27(2), 45(5)(b) & 45(5)(c) of MCDR 2017. Further for non submission of Monthly and Annual Returns by the lessee, State Govt. has been requested regularly to take appropriate action as per rule 45 of MCDR 2017.

9k	Scrutiny of Annual return on mining machineries	Annual return 2018-19 not submitted.	Annual return 2018-19 not submitted.	Lessee is not submitting monthly & annual returns. Mine is already suspended under rule 11(2) on 20.11.2018 for non compliance of rules 27(2), 45(5)(b) & 45(5)(c) of MCDR 2017. Further for non submission of Monthly and Annual Returns by the lessee, State Govt. has been requested regularly to take appropriate action as per rule 45 of MCDR 2017.
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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 :

(D R GURJAR)

Indian Bureau of Mines