

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

MCDR inspection REPORT

Nagpur regional office

Mine file No : MP/DHR/LST-53 /NGP

Mine code : 38MPR12068

- (i) Name of the Inspecting : **NQ07**) **KATHROJU NAVEEN**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri. Nilseh Upadhyay lessee & geologist , Shri Adith
Official with
Designation
- (iv) Date of Inspection : 16-FEB-23
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KOSDANA (7.50 HA.)**
- (b) **Registration NO.** :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : DHAR
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 27-JUN-12
- (h) Weekly day of rest :
2. Address for :
correspondance
3. (a) Lease Number : MPR2382
(b) Lease area : 7.5
(c) Period of lease : 30
(d) Date of Expiry : 04-JUL-38
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : SHRI NILESH UPADHYAY
30, COLLEGE ROAD, PO :
JHABUA JHABUA MADHYA
PRADESH
Phone:
FAX :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 31-MAR-08
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 07-APR-15

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Proposed 2 holes in 2019-20 and 2 holes in 2020-21	Not carried out	
1b	Exploration over lease area for geological axis 1 or 2	Not propsoed	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed during the RY	Not available	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed	Leasec area aexploration fonund under G2 level	
1e	Balance reserve as on 01/04/20	9,99,792T	12,28,822 T	As per the last approved mining plan the balance reserves available as on 20/09/2019 are 12,43,417 Out of which it is proposed to produce 81,225 T every year during the proposal period which account the proposal of 2,43,625 T till 01.04.2022. agianst the proposal only 14,595 T limestone has produced.
1f	General remarks of inspecting officers on geology, exploration etc			The lesae area has not completely explored and very less production reported gainst the proposed forwhich violation has issued under rule 11(1).

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	proposed in northern part of the lease	As per the proposal but less area has developed comparately.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not proposed	Not applicable	Lime stone deposit observed as ot crop no scope for top soil or OB generation.
2c	Stripping ratio or ore to OB ratio	1:0.05	1:0.00	
2d	Quantity of topsoil generation in m3	Not proposed	Nil	
2e	Quantity of overburden generation in m3	Proposed 4275 Cu.m of waste generation with 95% recovery.	reportedly no Ob or waste found.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			limestone deposit is outcropped in the lease area surrounded by the mineral extension no top soil or waste is found in the mine.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	81,225 T	5,215T	
3c	Recovery of sailable/usable mineral from ROM production	95% proposed	Entire prodced ROM is limestone.	5,215T

3d	Quantity of mineral reject generation	proposed 4,275 T of mineral reject generation corresponding to the 81225 T proposed ROM.	Reportedly no mineral reject generation found.
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	Not applicable
3f	Quantity of sub grade mineral generation.	Not proposed	Nil
3g	Grade of sub grade mineral generation	Not proposed	NA
3h	Manual / Mechanised method adopted for segregating from ROM	manual	No segregation found
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Nil
3j	Provision of drilling and blasting in mineral benches	yes proposed	As per the proposal
3k	Provision of mining machineries in mineral benches	Yes proposed	As per the proposal
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes
3m	Total area covered under excavation/pits	1.23 ha	0.55 ha

3n	Ore to OB ratio for the pit/mine during the year.	1:0.05	1:0.00	
3o	Total area put in use under different heads at the end of year	0.697 ha	0.742 ha	
3p	Production of ROM mineral during the last five year period as applicable	2017-18....81,225 T 2018-19...Nil 2019-20....81,225T 2020-21.....81,225 T 2021-22....81,225 T 2022-2023..81,225 T	2017-18.....1841 T 2018-19.... T 2019-20....0 T 2020-21...9,380 T 2021-22....5,215 T 2022-23....51,000 T	
3q	General remarks of inspecting officers on method of mining etc.			only 5,215 T produced against the proposed 81,225 T for which violation has issued under rule 11(1).

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not proposed	NA	
4b	Location of topsoil, OB and mineral reject dumps	Not proposed	Nil	
4c	Number of dumps within lease area and outside of lease area	one	One	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	proposed the generated 5% waste from RPM t be dumped temporarily on south eastern side.	No waste /reject generation found.
4e	Number of active and alive dumps.	Not proposed	Nil
4f	Number of dead dumps.	Not proposed	Nil
4g	Number of dumps established.	Not proposed	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	yes proposed	Nil
4i	Length of Retaining wall or garland drain all along dumps	Not proposed	Nil
4j	Number of settling ponds	Not proposed	Nil
4k	Specific comments of inspecting officer on waste dump management		waste Dump not found as the mineral found in out crop and the inter layered waste also not observed till the existing pit depth.

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.	Not proposed	Nil	
5b	Area under backfilling of mined out area	Not proposed	Nil	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed	Nil
5d	Total area fully reclaimed and rehabilitated	Not proposed	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		

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).	To be submitted	Submitted.	
6b	Area available for rehabilitation (ha) .	Not proposed	Nil	
6c	afforestation done (ha).	0.022 ha	plantation proposed in the safety barrier on the southern side.	
6d	No. of saplings planted during the year	100	100	
6e	Cumulative no .of plants	400	plantation not survived due to laack of topsoil and out cropped area.	
6f	Any other method of rehabilitation	Not proposed	Nil	
6g	Cost incurred on watch and care during the year	30000/-	30000/-	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not proposed	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not proposed	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed	Nil

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Not proposed	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not proposed	Nil

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch proposed	Rom dispatch is being carried out.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed	NA	
7c	Different grade of mineral sorted out at mines.	yes	yes	
7d	Any beneficiation process at mines	Not proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			grade wise sorting not found

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Nil	
8b	Concurrent use or storage of topsoil	Not proposed	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed Ob dumping on southern side	No waste or OB generation found	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	100 no plants proposed in barrier area	platation found in barrier zone and other area but not survived due to outcropped landform.	
8g	Survival rate	80%	NA	
8h	Water sprinkling on roads to control airborne dust	proposed water sprinkling on the haul road for dust suppression.	water sprinkling on the haul road for dust suppression found	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No top soil available for concurrent use or stacking and plantation has done in 7.5m barrier but not survived.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual return and Monthly return submitted online.	Annual returen submitted on 28/06/2022	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer in charge -- . Geologist in charge NILESH UPADHAYAY	Mining engineer Details not reported and mining engineer not found at the said mine	Violation is issue under Rule 55(3) for non apponitmnet of Mining Engineer.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(ii) Covered under current (O/C) Workings 0.550 (iii) Reclaimed/Rehabilitate 0.000 (iv) Used for waste disposal 0.125 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.045	Given	
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year 100	Plantation found in 7.5m barrier but not survived.	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject reported	Mineral reject not found in the said mine.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock and Production reported is 0 T Cement Grade Lime stone production is reported as 5215 T	With out production or stock of ROM graded production is not possible but in AR it is reported	Violation has issued under the rule 45(7) of MCDR 2017 for rectifying the error in production or stock.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price reported as 324.19/-	Sale value is observed as 332/-	
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in ?) 89,00,000 /-	Furnished.	
9k	Scrutiny of Annual return on mining machineries	machinery details not found in AR		

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)	07-MAR-23		MCDR17 Rule 11(1)	07-MAR-23	
MCDR17 Rule 11(3)	07-MAR-23		MCDR17 Rule 11(3)	07-MAR-23	
Rule 45(7)	07-MAR-23		Rule 45(7)	07-MAR-23	
MCDR17 Rule 55(1) (3)	07-MAR-23				

Date :

(KATHROJU NAVEEN)

Indian Bureau of Mines