

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

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/CHW/MN-30

Mine code : 40MPR08001

- (i) Name of the Inspecting : **KQ06**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Mr Anil Bapkar, Sr GM,
Official with
Designation
- (iv) Date of Inspection : 02-MAR-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PALASPANI**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : CHHINDWARA
Village : KACHIDANA
Taluka : SAUNSAR
Post office : RANPETH
Pin Code : 480106
FAX No. : 02267084893
E-mail : krishnapinggroup@rediffmai.
Phone : 0226708894
- (f) Police Station :
- (g) First opening date : 01-JAN-18
- (h) Weekly day of rest :
2. Address for : 1001 Pinnacle Corporate Park
correspondance Next to Trade Centre
Bandra Kurla Complex, Bandra East, Mumbai 400051

Nagpur regional office**Mine file No :** MP/CHW/MN-30/NGP**Mine code :** 40MPR08001

- (i) Name of the Inspecting : **KQ14**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sh. Anil Bapkar, Sr. GM & rep of Lessee, Mine manager
Official with
Designation
- (iv) Date of Inspection : 02-MAR-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PALASPANI**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : CHHINDWARA
Village : KACHIDANA
Taluka : SAUNSAR
Post office : RANPETH
Pin Code : 480106
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 16-MAY-96
- (h) Weekly day of rest :
2. Address for :
correspondance
3. (a) Lease Number : MPR2018
- (b) Lease area : 54.13
- (c) Period of lease : 20
- (d) Date of Expiry : 13-AUG-22

MPR2018
54.13
20
13-AUG-22

4. Mineral worked : MANGANESE ORE Main
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : M/S KRISHNAPING ALLOYS PVT. LTD.
MR. AJAY KHANDELWAL, 579,
Tharsa Road, Kanhan, Distt.
Nagpur NAGPUR MAHARASHTRA
Phone:07102-236138
FAX :07102-236176

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 07-MAY-03
Plan/Scheme of Mining : Mining Scheme rule 12 MCDR1988 24-JUL-06
Modif.approved Mining Scheme 12-MAY-09
FMCP under 23C(1) 04-AUG-09
Mining Scheme rule 12 MCDR1988 22-MAR-13
MP modif under MCR 1960 13-APR-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration was proposed for the reporting year 2019-20	No exploration was carried out due to no exploration proposal	
1b	Exploration over lease area for geological axis 1 or 2	the potential lease area explored upto G2 level of exploration	No exploration was proposed in the RY 2019-20, area explored upto G2 level of exploration	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Area to be explored under G-2 axis.	Area already explored upto G2 level of exploration	
1e	Balance reserve as on 01/04/20		Balance area as on 01.04.2020: 111-672946 121-508830 211-217375 after depletion of online reported production for the years 2016-17, 2017-18, 2018-19.	
1f	General remarks of inspecting officers on geology, exploration etc			Manganese deposition of the lease area belongs to sausar group, manganese found with pigmatite and quartz vein. Exploration not proposed in the RY 2019-20.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	it was proposed to do development in the pit no 5, in between grid line E350 to E 650 and N 350 to N 475 (aprox) upto the MRL 280	pit was water logged at the time of inspection, therefore development work could not be established	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	it was proposed to develop separate benches in the OB	In some places benches are collapsed / slide and merged with each other	Voilation issued under rule 11(1) of MCDR 2017 for not maintaining the benches as per approved document.
2c	Stripping ratio or ore to OB ratio	1:16	NA	Stripping ratio could not be established as mine was not in operation and pit was water logged.
2d	Quantity of topsoil generation in m3	No proposal was given for top soil generation	NIL	
2e	Quantity of overburden generation in m3	3383 M3 from UG working	NIL	Violation pointed out for the same under rule 11(1) of MCDR-2017.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mining operation not carried out at the time of inspection, pit was water logged, lessee has allready reached the UPL i.e 280MRL. UG development was not done as per proposal. Violation pointed out for the same under rule 11(1) of MCDR 2017.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	One Pit	One Pit
3b	Quantity of ROM mineral production proposed	For the year 2019-20 Opencast Working - NIL UG working - 60000 Tonnes Dump Working - 10000 Tonnes For the year 2020-21 Opencast Working - NIL UG working - 95000 Tonnes Dump Working - 10000 Tonnes	For the year 2019-20 Opencast Working - 7120 Tonnes UG working - NIL Dump Working - 10000 Tonnes For the year 2020-21 Opencast Working -NIL UG working - NIL Dump Working - NIL
3c	Recovery of sailable/usable mineral from ROM production	NA	NA
3d	Quantity of mineral reject generation	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL
3g	Grade of sub grade mineral generation	NIL	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Both the method (manual and Mechanised) was proposed for segregation of ore from ROM	No segregation process seen at the time of insection, all the operations were closed

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	NA	
3j	Provision of drilling and blasting in mineral benches	Yes	As per record, no mining operation carried from the mine in the year 2019-20 and 2020-21. No explosives used in this period.	
3k	Provision of mining machineries in mineral benches	Yes	Mining Machineries used for dispatch from the mine site as per provided records.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Benches merged up at many locations and height of the benches was very high from the approved proposal. Actual height and width of benches were not maintained (cropsed and sliding of benches were seen at many places).	Violation pointed out for the same under rule 11(1) of MCDR-2017
3m	Total area covered under excavation/pits	28.05 Hect	26.6 Hect. (aprox)	
3n	Ore to OB ratio for the pit/mine during the year.	1:16	NIL	
3o	Total area put in use under different heads at the end of year	44.49 Hect	40.68 Hect	

3p	Production of ROM mineral during the last five year period as applicable	2016-17=67538 OC Mining + 10000 Dump working 2017-18=60000 OC Mining + 10000 Dump working 2018-19=68169 OC Mining + 10000 Dump working 2019-20=60000 UG Mining + 10000 Dump working 2020-21=95000 UG Mining + 10000 Dump working	2016-17=56456 2017-18=69945 (17800 from dump working) 2018-19=40863 (21788 from dump working) 2019-20=17120 (10000 from dump working) 2020-21=NIL
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3q General remarks of inspecting officers on method of mining etc.

Mine was not in operation during inspection, however width and height of beches were not maintained as per the proposal given in the mining plan. pit was water logged during the inspection. Violation pointed out for the same under rule 11(1) of MCDR-2017

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal for top soil, OB was proposed to be backfilled whichever generated during the processing of ROM	No top soil generated due to old excavation, No OB generated in the RY 2019-20 as per records.
4b	Location of topsoil, OB and mineral reject dumps	no proposal for top soil, OB	NIL
4c	Number of dumps within lease area and outside of lease area	Dumps proposed within the lease area	03 Old dumps of OB were observed in the northern portion of the lease area, one in the southern west, one in the north east portion of the lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out side the UPL	Out side the UPL
4e	Number of active and alive dumps.	One Mineral Dump	One Mineral Dump
4f	Number of dead dumps.	03 old dumps	03 old dumps
4g	Number of dumps established.	Not Proposed	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Proposed as no dump proposed	Garland drain were prepared along old dumps
4i	Length of Retaining wall or garland drain all along dumps	Nil	NIL
4j	Number of settling ponds	Not proposed	NIL

4k	Specific comments of inspecting officer on waste dump management	No proposal for separate dumps of OB and Top Soil were given in the reporting year, however three old OB dumps seen in the lease area.
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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	Backfilling not done during the year.	
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)	NIL	NIL	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			mine was not in operation at the time of inspection.

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).	proposed	Not submitted	Violation pointed out for the same under rule 26(2) of MCDR-2017.

6b	Area available for rehabilitation (ha) .	Not proposed	NIL	
6c	afforestation done (ha).	2600 saplings	200 saplings	Afforestation is not done as per proposal. Violation pointed out under rule 11(1) of MCDR-2017.
6d	No. of saplings planted during the year	proposed (1.3 hectare)	Not done as per proposal	Afforestation is not done as per proposal. Violation pointed out under rule 11(1) of MCDR-2017.
6e	Cumulative no .of plants	Not proposed	800 plants	
6f	Any other method of rehabilitation	Not proposed	NIL	
6g	Cost incurred on watch and care during the year	Not proposed	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NIL	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	NIL	NIL	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	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	2600 saplings	200 saplings	afforestation not done as per proposal. Violation pointed out for the same.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NIL	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)	Yes	Yes	Yearly report of PMCP not submitted. Compliance not done. Violation pointed out for the same.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting in the lease area	Grade wise mineral stacks observed during inspection.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual and Mechanical	Manual and Mechanical	
7c	Different grade of mineral sorted out at mines.	Not proposed	Nil	
7d	Any beneficiation process at mines .	Not proposed	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No operation in the mine and pit was found water logged.

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	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	NIL	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2600 saplings proposed	200 saplings planted	Violation pointed out for the same
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation not done as per proposal. Violation pointed out for the same.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Proposed	Monthly and Annual return submitted for the RY 2019-20.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Mine Manager - Sh. Sushil Kumar Mining Engr - Md. Parwez Khan Geologist - Not appointed	Violation pointed out for the same under rule 55 of MCDR 2017
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	(i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.000 0.000 (ii) Covered under current (O/C) Workings 0.000 26.600 26.600 (iii) Reclaimed/Rehabilitated 0.000 2.210 2.210 (iv) Used for waste disposal 0.000 5.920 5.920 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 2.750 2.750 (vi) Other Purpose (TEMPLE & COMMON USE) 0.000 1.000 1.000 (vii) Work done under progressive mine closure plan during the year 0.000 0.500 0.500	
9d	Scrutiny of Annual return on afforestation	Yes	No plantation done in the RY 2019-20.	Violation pointed out for the same under rule 11(1) of MCDR-2017
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	As per records ROM generated from Open Cast Workings -NIL (b) Underground Workings -NIL (c) Dump Workings- 8100 Tonnes	Closing stock of Dump working is not correct. Violation pointed out for the same under rule 45 of MCDR-2017.

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	Production Cost - 12467.00 Ex mine price: (a) Below 25% Mn - 3329.32 (b) 25% to below 35% Mn - 10103.54 (c) 35% to below 46% Mn - 11064.29 (d) 46% Mn and above - 16903.00
9h	Scrutiny of Annual return on fixed assets	Yes	47.76 Crores
9k	Scrutiny of Annual return on mining machineries	Yes	DUMPER 30 TONNE 5 Nos WATER TANKER 20000LITRE 1 No EXPLOSIVE VAN 3.250 TONNE 1 Nos SHOVEL (HYDRAULIC) 2.4 CUM 2 Nos DOZER 275 HP 1 No AIR COMPRESSOR 1.5 CUM/MN 3 Nos PUMPS (ELEC.) 800 L/MN 2 Nos PUMPS (ELEC.) 500.000 L/MN 2 Electrical Opencast GENERATOR (DIESEL) 125.000 KWH 1 Non Electrical Opencast GENERATOR (DIESEL) 200.000 KWH 1 Non Ele

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)	08-JUN-21			
MCDR17	Rule 26(2)	08-JUN-21			
MCDR17	Rule 33	08-JUN-21			
MCDR17	Rule 55(1) (1	08-JUN-21			

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines