

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/CR/DKL/MCDR-2/BBS

Mine code : 11ORI05002

- (i) Name of the Inspecting : **DEY**) **NARENDRA MOHAN DEY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : **SHRI M D PATRA, MINES MANAGER, SHRI T K KANDIAN, GEOL**
Official with
Designation
- (iv) Date of Inspection : 13/08/2015
- (v) Prev.inspection date : 16/09/2013

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KATHPAL(OMC)**
- (b) **Registration NO.** :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
State : ORISSA
District : DHENKANAL
Village : CHADEIRAGADA
Taluka : KAMAKSHYA NAGAR
Post office : MARUABIL
Pin Code : 759039
FAX No. :
E-mail :
Phone : 06726-68725
- (f) Police Station :
- (g) First opening date : 31/12/1970
- (h) Weekly day of rest : SUN
2. Address for : PO . MARUABIL
correspondance TALUK. KAMAKYANAGAR, DIST- DHENKANAL
ORISSA, PIN- 759039
3. (a) Lease Number : ORI0246
(b) Lease area : 264.47
(c) Period of lease : 20
(d) Date of Expiry : 09/02/1989
4. Mineral worked : CHROMITE Main

5. Name and Address of the

Lessee : O.M.C.LTD.
 SRI.G.K.DHAL,MD OMC House
 ,P.B.No.34 BHUBANESWAR
 KHURDA ORISSA
 Phone:
 FAX :0674-401629(BBSR),06767-30257

Owner : m/s ORISSA MINING CORPORATION LTD
 OMC HOUSE P.B.No.34
 BHUBNESHWAR ORISSA
 Phone:
 FAX :

Agent : SRI. H.SAHOO
 M/S OMC LTD., KALARANGIATTA
 POST DIST: JAJPUR, ORISSA
 JAJPUR ORISSA
 Phone: 06726-68723
 FAX :

Mining Engineer
 Name : G.C. BEHERA,Full Time
 Qualification : DIPLOMA IN MINING&1ST CLASS MINES MANAGE
 Appointment/ :
 Termination date

Geologist
 Name : B.K.DASH,Full Time
 Qualification : M.Sc (GEOLOGY)
 Appointment/ :
 Termination date

Geologist
 Name : J.MISHRA,Full Time
 Qualification : Msc.Geology.
 Appointment/ :
 Termination date

Manager
 Name : L.M.GHANA
 Qualification : FIRST CLASS COMPETENCY
 Appointment/ :
 Termination date

Manager
 Name : K.C.SARANGI
 Qualification : DIPLOMA IN MINING WITH FIRST CLASS CPMPE
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	18/07/2000
Plan/Scheme of Mining	:	Renewal under rule 24 MCR1960	18/11/2008
	:	Modif.of approved Mining Plan	28/03/2012

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	DURING 2014-15 TO 2016-17 BH TO BE DRILLED 44 NOS	NIL	THE MINING OPERATION HAS BEEN CLOSED SINCE 24.08.2002 CONSEQUENT UPON THE EXPIRY OF WORKING PERMISSION BY ASSTT. INSPECTOR GENERAL OF FOREST, MINISTRY OF ENVIRONMENT AND FOREST, GOVT. OF INDIA, VIDE THEIR LETTER DATED 24.05.2002. SUBSEQUENTLY MINING OPERATION HAS BEEN STOPPED w e f 31.01.2009 FOR WANT OF FOREST CLEARANCE AND ENVIRONMENTAL CLEARANCE BY STATE GOVT.
1b	Exploration over lease area for geological axis 1 or 2		SO FAR 7820.75 M STRATA HAVE BEEN DRILLED IN THE MINING LEASE AREA BY 137 DRILL HOLES.	

1d	Balance area to be explored to bring Geological axis in 1 or 2	A TOTAL 37 NOS BH HAVE BEEN PROPOSED TO EXPLORE THE GEOLOGICALLY DISTURBED AREA, 3 BH HAVE BEEN PROPOSED TO PROVE THE BARRENNESS OF THE DUMPING SITE, IN ADDITION TO THIS 44 NOS OF INCLINED CORE DRILL HOLES HAVE BEEN PROPOSED TO EXPLORE / PROVE THE CHROME ORE BODIES DEPTH WISE . TOTAL 84 NOS OF BH.	NIL	MINING OPERATION HAS BEEN SUSPENDED SINCE 24.08.2002 DUE TO WANT OF FOREST CLEARANCE.
1e	Balance reserve as on 01/04/20	AS PER MODIFICATION OF APPROVED MINING PLAN APPROVED ON 28.03.2012 THE RESERVES ESTIMATED AS PER UNFC IS AS FOLLOWS : 111: NIL 121 : 347985 MT 221 : 377910 MT TOTA; : 725895 MT		
1f	General remarks of inspecting officers on geology, exploration etc	SO FAR 137 NOS BH HAVE ALREADY BEEN DRILLED WITH A METERAGE 7820.75 M . A TOTAL OF 715 CORE SAMPLES OF CHROMITE DRAWN AT ONE METER INTERVAL HAVE BEEN ANALYSED. TOTAL 84 NOS BH HAVE BEEN PROPOSED WITH A APPROX LENGTH OF DRILLING 8190 METER.		MINING OPERATION HAS BEEN SUSPENDED SINCE 24.08.2002. DUE TO WANT OF FOREST CLEARANCE.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	NO PROPOSAL.. PRESENTLY THE MINE HAS NO EXCAVATION PROPOSAL FROM 2014-15 ONWARDS. PREVIOUS MODIFICATION OF APPROVED MINING PLAN APPROVED ON 28.03.2012 FOR THE PERIOD 2012-13 TO 2013-14 ONLY.	NO WORK AFTER 2002-03. THE MINE HAS 10 QUARRIES IN THE LEASE AREA. IN ADDITION TO THIS 11 TRIAL PITS ARE LOCATED / DEVELOPED HERE AND THERE IN THE LEASE AREA IN SEARCH OF CHROMITE COURT OF S.D.J.M, BHUBANESWAR.	MINING OPERATION HAS BEEN SUSPENDED SINCE 24.08.2002 DUE TO WANT OF FOREST CLEARANCE. FOR NON-SUBMISSION OF SCHEME OF MINING FROM 2014-15 ON-WARDS VIOLATION LETTER WAS ISSUED ON 20.02.2014 UNDER RULE 12(3) OF MCDR,1988.. DUE TO NON- COMPLIANCE OF VIOLATION LETTER, SHOW-CAUSE NOTICE WAS ISSUED ON 04.04.2014. VIOLATION CUM SHOW-CAUSE NOTICE UNDER RULE 23F(1) &(3) OF MCDR,1988 WAS ALSO ISSUED ON 10.04.2014. DUE TO NON-COMPLIANCE PROSECUTION HAS BEEN LAUNCHED AND PETITION HAS BEEN FILED IN THE
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NO PROPOSAL	NO WORK AFTER 2002-03 ALREADY OB HAS 10 BENCHES AND IN MINERALS TWO BENCHES.	MINING OPERATION HAS BEEN SUSPENDED SINCE 24.08.2002.
2e	Quantity of overburden generation in m3	THE MINE HAS NO EXCAVATION PROPOSAL	CUMULATIVE 902200 TONNES OB REMOVED	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NO DOCUMENT i.e SCHEME OF MINING SUBMITTED BY THE LESSEE AFTER 2013-14.	MINING OPERATION WASCONTINUING UPTO 2002-03 AND OPENED UP 10 QUARRIES AND 11 TRIAL PITS .	SINCE MINING OPERATION HAS BEEN SUSPENDED w.e.f 24.08.2002 , NO DEVELOPMENT / MINING OPERATION WAS CARRIED OUT.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	NO APPROVED DOCUMENT AFTER 2013-14.	ALREADT EXISTING 10 QUARRIES AND 11 TRIAL PITS.	MINE IS UNDER SUSPENSION SINCE 24.08.2002 DUE TO WANT OF STATUTORY CLEARANCES. PROSECUTION HAS BEEN LAUNCHED AND PETITION HAS BEEN FILED IN THE COURT OF S D J M , BHUBANESWAR FOR NON- COMPLIANCE OF VIOLATION CUM SHOW-CAUSE NOTICE ISSUED UNDER RULE 23F (1) & (3) OF MCDR, 1988.
3b	Quantity of ROM mineral production proposed	NO APPROVED DOCUMENT / SCHEME OF MINING AFTER 2013-14. SO THERE IS NO PROPSAL.	NIL	MINE IS UNDER SUSPENSION SINCE 24.08.2002 FOR WANT OF STATUTORY CLEARANCES.
3f	Quantity of sub grade mineral generation.		CUMULATIVE 12320.197 MT SUB-GRADE STACKED IN THE MINE	
3g	Grade of sub grade mineral generation		10 TO 40% Cr2O3	
3m	Total area covered under excavation/pits		NO WORK SINCE 14 YEARS 21.403 HA CUMULATIVE.	
3o	Total area put in use under different heads at the end of year	NO APPROVED DOCUMENT / SCHEME OF MINING AFTER 2013-14.	COVERED UNDER OPENCAST WORKINGS: 21.40HA, USED FOR WASTE DISPOSAL : 14.29 HA, OCCUPIED BY ROAD & BUILDING ETC: 27.92 HA, USED FOR OTHER PURPOSES : 17.93 HA CUMULATIVE.	MINE IS UNDER SUSPENSION SINCE 24.08.2002.
3p	Production of ROM mineral during the last five year period as applicable	NO PROPOSAL NO APPROVED DOCUMENT / SCHEME OF MINING AFTER 2013-14.	NO PRODUCTION FOR LAST 13 YEARS.	MINE IS UNDER SUSPENSION SINCE 24.08.2002 FOR WANT OF STATUTORY CLEARANCES.

3q	General remarks of inspecting officers on method of mining etc.	NO PROPOSAL AN APPROVED DOCUMENT / SCHEME OF MINING AFTER 2013-14.	NO MINING OPERATION SINCE 13 YEARS. PREVIOUSLY MINING OPERATION WAS OTHER THAN FULLY MECHANISED.WITH THE DEPLOYMENT OF JACK HAMMER DRILL, SMALL EXCAVATORS OF 0.9 CUM BUCKET CAPACITY, 10 T CAPACITY TIPPER ETC. HEIGHT AND WIDTH OF THE BENCHES HAD BEEN MAINTAINED AT 1.5 M AND 2 M RESPECTIVELY.	MINING OPERATION IS UNDER SUSPENSION SINCE 24.08.2002 FOR WANT OF STATUTORY CLEARANCES.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NO PROPOSAL	NO WORK FOR 13 YEARS PREVIOUSLY CUMULATIVE OB DUMPED 902200 TONNES	MINE IS UNDER SUSPENSION SINCE 24.08.2002 FOR WANT OF STATUTORY CLEARANCES.
4c	Number of dumps within lease area and outside of lease area	NO PROPOSAL	THERE EXIST 6 NOS DUMPS WITH IN LEASE AREA NO DUMP OUTSIDE LEASE AREA.	

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 APPROVED DOCUMENT / NO MPROPOSAL	MINE IS UNDER SUSPENSION SINCE 24.08.2002.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NO APPROVED DOCUMENT / NO PROPOSAL		MINE IS UNDER SUSPENSION SINCE 24.08.2002 FOR WANT OF STATUTORY CLEARANCES.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).		NOT SUBMITTED.	MINE IS UNDER SUSPENSION SINCE 24.08.2002. PROSECUTION HAS BEEN LAUNCHED AND PETITION HAS BEEN FILED IN THE COURT OF S D J M , BHUBANESWAR FOR NON- COMPLIANCE OF VIOLATION CUM SHOW-CAUSE NOTICE .
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NO APPROVED PMCP / NO PROPOSAL	MINING OPERATION IS UNDER SUSPENSION SINCE 24.08.2002 FOR WANT OF STATUTORY CLEARANCES.	COURT CASE HAS BEEN FILED FOR NON-COMPLIANCE OF 23F (1) & (3) OF MCDR, 1988.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NO APPROVED DOCUMENT / NO PROPOSAL	NIL	MINE IS UNDER SUSPENSION SINCE 24.08.2002 FOR WANT OF STATATORY CLEARANCES.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NO APPROVED DOCUMENT / NO PROPOSAL	NIL METALLURGICAL GRADE (FERROCHROME & CHARGE CHROME) GRADE CHROME ORE (+42% Cr2O3) IS DIRECTLY SOLD TO THE CONSUMING INDUSTRIES AFTER MANUAL PROCESSING (SORTING , SIZING ETC). LOW GRADE ORE (+30% TO -42% Cr2O3) SENT TO LESSEE'S COB PLANT LOCATED AT LESSEE'S SOUTH-KALIAPANI MINE.	MINE IS UNDER SUSPENSION SINCE 24.08.2002.

7c	Different grade of mineral sorted out at mines.	NO APPROVED DOCUMENT / NO PROPOSAL	NO WORK SINCE 2002. FERROCHROME: 48 % MINIMUM Cr2O3 , 2.8 : 1 MINIMUM Cr : FE CHARGE CHROME : 44% MINIMUM Cr2O3, 1.6 :1 MINIMUM Cr : FE REFRACTORY : 40% MINIMUM Cr2O3, LESS THAN 10% SiO2, 20% MAXIMUM FeO CHEMICAL : 44% MINIMUM Cr2O3, 7% MAXIMUM SiO2, 20% MAXIMUM FeO	MINE IS UNDER SUSPENSION SINCE 24.08.2002.
7d	Any beneficiation process at mines .	NO APPROVED DOCUMENT / NO PROPOSAL	NIL NO BENEFICIATION DONE AT MINE. LOW GRADE ORE (+30% TO -42% Cr2O3) SENT TO LESSEE'S COB PLANT LOCATED AT SOUTH-KALIAPANI MINE SORTING AND SIZING DONE MANUALLY AT MINE.	MINE IS UNDER SUSPENSION SINCE 24.08.2002.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		THE ROM ORE IS SUBJECTYED TO BREAKING / SIZING OF OVERSIZE ORE, SCREENING AND SORTING. AFTER SORTING CHROMITE ORE STACKED IN DIFFERENT MARKETABLE GRADE STACKS FOR SALE. LOW GRADE ORE (+30% TO -42% Cr2O3) SENT TO LESSEE'S COB PLANT LOCATED AT SOUTH-KALIAPANI MINE.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NO APPROVED DOCUMENT / NO PROPOSAL	NIL	MINE IS UNDER SUSPENSION SINCE 24.008.2002.

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	MINE IS UNDER SUSPENSION SINCE 24.008.2002 FOR WANT OF STATRORY CLEARANCES. A PART OF THE LEASE AREA OVER 176.690 HA CONSTITUTE FOREST LAND. DENSITY OF VEGETATION IN SIDE THE LEASE AREA HAS COME DOWN DUE TO MINING.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	SUBMITTED	I HAVE INSPECTED THE MINE ON 13.08.2015. MONTHLY REPORTS AND ANNUAL RETURN FOR THE YEAR 2014-15 HAVE BEEN RECEIVED.	MINING OPERATION IS UNDER SUSPENSION SINCE 24.08.2002 FOR WANT OF STATUTORY CLEARANCES.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		UNDER PITS: 21.40 HA, USED FOR WASTE DEISPOSAL : 14.29 HA, OCCUPIED BY ROAD & BUILDING : 27.32 HA, ANY OTHER PURPOSES : 17.93 HA	
9d	Scrutiny of Annual return on afforestation		NIL	MINING OPERATION IS UNDER SUSPENSION SINCE 24.08.2002 FOR WANT OF STATUTORY CLEARANCES.
9f	Scrutiny of Annual return on ROM stock and/or graded ore		ROM STOCK : NIL GRADE WISE STOCK: BELOW C40% Cr2O3: 375.800 MT (LUMP) BELOW 40% Cr2O3 : 15372.761 MT (FINES) 40% TO BELOW 52% Cr2O3: 403.092 MT (FINES)	

9h	Scrutiny of Annual return on fixed assets	Rs.231960.94 /-
9k	Scrutiny of Annual return on mining machineries	NO MINING MACHINARY AMBULANCE : ONE, JEEP: ONE & PUMP : ONE

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

Date :

(NARENDRA MOHAN DEY)

Indian Bureau of Mines