

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/MB/MCDR-1/BBS

Mine code : 30ORI10014

- (i) Name of the Inspecting : **DEY**) **NARENDRA MOHAN DEY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : **SHRI H N DAS , MINING ENGINEER**
Official with
Designation
- (iv) Date of Inspection : 26/09/2016
- (v) Prev.inspection date : 15/04/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BADAMPAHAR**
- (b) **Registration NO.** : **IBM /5295 /2011**
- (c) Category : A Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : ORISSA
District : MAYURBHANJ
Village : BADAMPAHAR
Taluka : RAIRANGPUR
Post office : BADAMPAHAR
Pin Code :
FAX No. : 916794-222698
E-mail : laltrades@yahoo.com
Phone : 06794-222834
- (f) Police Station :
- (g) First opening date : 27/05/1970
- (h) Weekly day of rest : SUN
2. Address for : BADAMPAHAR IRON ORE MINE, PO: BADAMPAHAR,
correspondance DIST: MAYURBHANJ, ORISSA.
3. (a) Lease Number : ORI0120
(b) Lease area : 443.93
(c) Period of lease : 30
(d) Date of Expiry : 26/05/2000
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : M/s LAL TRADERS & AGENCY (P) LTD.
M/s LAL TRADERS & AGENCY 7,
WATER COOL STREET,
CALCUTTA, WEST BENGAL.
KOLKATA WEST BENGAL
Phone:033-2480602,2482623
FAX :033-2477739

Owner : M/S LAL TRADERS & AGENCY (P) LTD.
7, WATER COOL STREET,
CALCUTTA WEST BENGAL
KOLKATA WEST BENGAL
Phone:
FAX :

Mining Engineer

Name : K. BHATTACHARYA,Full Time
Qualification : B.E(MINING)
Appointment/ :
Termination date

Mining Engineer

Name : DULARAM MAHALI,Full Time
Qualification : B TECH MINING
Appointment/ :
Termination date

Geologist

Name : A.SEN,Full Time
Qualification : M.SC GEOLOGY
Appointment/ :
Termination date

Manager

Name : R.K. SWAIN
Qualification : NOT AVAILABLE
Appointment/ :
Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	25/05/2005
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	12/12/2007
		Mining Scheme rule 12 MCDR1988	07/06/2010
		MP modif under MCR 1960	17/03/2015
		Mining Scheme rule 12 MCDR1988	27/03/2015

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NO OF BORE HOLE PROPOSED DURING : 2015-16: 15 NOS NO OF BORE HOLE PROPOSED DURING 2016-17 : 18 NOS	DURING 2015-16: BORE HOLE DRILLED 13 NOS DURING 2016-17 : BORE HOLE DRILLED 8 NOS (UPTO DATE OF INSPECTION i.e 26.09.2016)	VIOLATION LETTER SENT TO THE LESSEE UNDER RULE 13(1) FOR DEVIATION OF PROPOSAL OF EXPLORATION DURING 2015-16.
1b	Exploration over lease area for geological axis 1 or 2	LEASE AREA EXPLORED AS PER UNFC NORMS UNDER G1 LEVEL 20.261 HA, G2 LEVEL 63.441 HA	LEASE AREA EXPLORED AS PER UNFC NORMS UNDER G1 LEVEL 20.261 HA, G2 LEVEL 53.441 HA, G3 LEVEL 26.843 HA , EXPLORED & FOUND NON-MINERALISED 6.140 HA AND UNEXPLORED AREA 22.925 HA AS ON DATE OF INSPECTIO i.e 26.09.2016.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NO PROPOSAL	TOTAL Rs.23 LAKH RUPEES EXPENDITURE HAS BEEN INCURRED IN VARIOUS OPERATIONS LIKE DRILLING, SAMPLING & CHEMICAL ANALYSIS.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	UNEXPLORED AREA : 22.925 HA AND G3 LEVEL AREA : 26.843 HA	DURING THE YEAR 2015-16 NO OF BH DRILLED 13 AND DURING THE YEAR 16-17 NO OF BH DRILLED 8 NOS UP TO DATE OF INSPECTION.	

1e	Balance reserve as on 01/04/20	RESERVE AS ON 01.08.2014 AS PER SCHEME OF MING APPROVED ON 27.03.2015. IS AS FOLLOWS: 111 : 6.150 MILLION TONNE+ 122 : 8.513 MILLION TONNE= 14.513 MILLION TONNE 211: 0.101 MILLION TONNE+ 222: 0.140 MILLION TONNE+ 333: 3.556 MILLION TONNE= 3.797 MILLIONTONNE	RESERVES AS ON 01.04.2016 AS PER ANNUAL RETURN 2015-16 IS AS FOLLOWS: 111: 5458630 MT + 122: 8513197 MT= 13971828 MT 211: 101345 MT + 222: 140295 MT + 333: 3556320 MT = 3797960 MT
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1f	General remarks of inspecting officers on geology, exploration etc	TOTAL 93 BH HAVE BEEN PROPOSED DURING THE SCHEME PERIOD 2015- 16 TO 2019-20 WITH A TOTAL LENGTH OF DRILLING 2790 M OVER UNEXPLORED AREA	DURING 2015-16 NO OF BH DRILLED 13 NO, DURING 2016-17 NO OF BH DRILLED 8 NO AS ON DATE OF INSPECTION WITH A TOTAL LENGTH OF DRILLING 474 M. OUT OF TOTAL LEASE AREA 129.63 HA LEASE AREA EXPLORED UNDER G1 LEVEL 20.261 HA, G2 LEVEL 53.441 HA, G3 LEVEL 26.843 HA , EXPLORED & FOUND NON MINERALISED 6.140 HA.	EXPLORATION ALREADY CARRIED OUT BY THE LESSEE IS SATISFACTORY AND THE PROPOSAL MENTIONED IN THE SCHEME OF MINING IS ALSO SATISFACTORY.
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Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	BAPET QUARRY ON THE EAST SIDE OF THE LEASE, PEAK QUARRY ON THE WEST SIDE OF THE LEASE, QUARRY -4 ON THE CENTRAL PART OF THE LEASE AND NORVENQUARRY ON THE SOUTH SIDE OF THE LEASE.	4 QUARRIES ARE LOCATED ON THE SAME PLACE IN THE LEASE AREA AS PROPOSED IN THE SCHEME OF MINING.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	SEPARATE BENCHES IN OB AND ORE	BAPET QUARRY : NO OF BENCHES IN OB : 2 AND IN ORE: 8 PEAK QUARRY : NO OF BENCHES IN OB: 1 AND IN ORE: 3 QUARRY -4 : NO OF BENCHES IN OB : 1 AND IN ORE: 9 NORVEN QUARRY: NO OF BENCHES IN OB: 1 AND IN ORE : 6
2c	Stripping ratio or ore to OB ratio	1: 0.4	1: 0.09 (OVER ALL STRIPPING RATIO OF THE MINE)
2d	Quantity of topsoil generation in m3	NIL	NIL
2e	Quantity of overburden generation in m3	DURING 2015-16: 425558 MT	60800 MT

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	FOUR	FOUR NAMELY BAPET QUARRY, PEAK QUARRY, QUARRY-4 AND NORVEN QUARRY.	
3b	Quantity of ROM mineral production proposed	1041882 MT	416070 MT	

3c	Recovery of sailable/usable mineral from ROM production	SUB GRADE : 264139 MT SALEABLE: 777743 MT	SUBGRADE : 38300 MT SALEABLE: 304110 MT
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.	264139 MT	38300 MT
3g	Grade of sub grade mineral generation	45% TO -50% FE	45% TO -50% FE
3h	Manual / Mechanised method adopted for segregating from ROM	MECHANICAL	CRUSHING AND SCREENING FOR SIZING OF IRON ORE , UPGRADATION OF IRON ORE.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NO PROPOSAL	LOW GRADE FINES ARE SENT TO THE LESSEE'S BENEFICIATION PLANT LOCATED AT A DISTANCE OF 4 KM FROM THE MINE FOR UPGRADATION OF IRON ORE FINES BEFORE ITS END USE.
3j	Provision of drilling and blasting in mineral benches	YES, THERE IS PROPOSAL FOR DRILLING AND BLASTING	BLAST HOLES ARE DRILLED BY WAGON DRILL OF 110 MM AND BLASTING IS DONE BY POWERGEL EXPLOSIVES OF 83 MM CATRIDGES . MILLISECOND DELAY DETONATORS ARE USED TO SPLIT THE VIBRATION PACKAGE INTO A NUMBER OF SMALL VIBRATION LEVELS.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	PROPOSED HEIGHT OF BENCHES IN OB : 4 TO 6 M PROPOSED HEIGHT OF BENCHES IN ORE : 6 M	HEIGHT OF BENCHES IN O B AND ORE IS 6 M.

3m	Total area covered under excavation/pits	38.65 HA	38.65 HA
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.41	1: 0.15 DURING THE YEAR 2015-16.
3o	Total area put in use under different heads at the end of year	UNDER OPEN CAST WORKING : 38.65 HA, USED FOR WASTE DISPOSAL: 6.14 HA, ROAD BUILDING ETC: 9.182 HA USED FOR OTHER PURPOSES: 3.87 HA.	SAME AS PROPOSED.
3p	Production of ROM mineral during the last five year period as applicable	2011-12: 0.67 MILLION TONNE, 2012-13: 0.70 MILLION TONNE, 2013-14: 0.71 MILLION TONNE. 2014-15: 0.72 MILLION TONNE & 2015-16: 1.04 MILLION TONNE	2011-12: 678643 MT, 2012-13: 685610 MT, 2013-14: 697840 MT, 2014-15: 613238.973 M T, 2015-16: 416070 MT.
3q	General remarks of inspecting officers on method of mining etc.	METHOD OF MINING BY DRILLING, BLASTING, EXCAVATION . LOADING;SIZING AND TRANSPORTATION .	DUE TO SOFT NATURE OF STRATA . ROCK BREAKERS ARE DEPLOYED FOR LOOSENING OF THE WORKING FACES. DRILLING AND BLASTING ARE PRACTICED OCCASIONALLY FOR LOOSENING OF HARD STRATA. LOOSENED ROM ORE IS EXCAVATED AND LOADED BY THE EXCAVATORS INTO 10T & 20 T CAPACITY DUMPERS WHICH CARRIES THE ROM ORE FOR FEEDING TO CRUSHER / SCREENS. EXCAVATORS OF 1 TO 1.6 CUM CAPACITY ARE USED FOR EXCAVATION & LOADING OF ORES AS WELL AS WASTE MATERIAL. A PART OF ROM IRON ORE BOULDERS AS WELL AS OVERSIZED SCREENED MATER.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	PROPOSAL FOR SEPARATE DUMPING OF OB AND MINERAL REJECTS / SUBGRADE	OB /WASTE 425558 MT AND SUB GRADE 264139 MT	
4b	Location of topsoil, OB and mineral reject dumps	PROPOSED 5 NOS DUMPS AND 3 SUB GRADE DUMPS	DUMP NO.1 NEAR PILLAR NO.52, DUMP NO.2 NEAR PILLAR NO.54, DUMP 3 NEAR PILLAR NO.57, DUMP 4 NEAR PILLAR NO 39 AND DUMP 5 NEAR PILLAR NO 22 & 23. SUB GRADE STACKING TWO NO. NEAR QUARRY NO.3 AND ANOTHER NEAR PEAK QUARRY.	
4c	Number of dumps within lease area and outside of lease area	NO DUMP OUT SIDE LEASE 5 DUMPS WITHIN LEASE	NO DUMP OUT SIDE LEASE 5 DUMPS WITH IN LEASE	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	DUMPS ARE OUTSIDE PIT LIMIT	5 DUMPS ARE LOCATED ON NON-MINERALISED LAND OUTSIDE ULTIMATE PIT LIMIT	
4e	Number of active and alive dumps.	FIVE DUMPS	FIVE DUMPS	
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	THREE DUMPS	DUMP SLOPES OF D-2, D-3 & D-4 ARE STABILISED BY WAY OF PLANTATION OF SAPLINGS.	
4h	Whether Retaining wall or garland drain all along dumps are there.	YES, RETAINING WALL AND GARLAND DRAINS HAVE ALREADY BEEN CONSTRUCTED ALL ALONG THE DUMPS.	RETAINING WALL , GARLAND DRAIN HAVE BEEN CONSTRUCTED AT EVERY DUMP.	

4i	Length of Retaining wall or garland drain all along dumps	RETAINING WALL 470 M X 2 M X 1.5 M GARLAND DRAIN 490 M X 1 M X 0.5 M AROUND THE DUMP DURING 2015-16	RETAINING WALL AND GARLAND DRAIN HAVE BEEN CONSTRUCTED AROUND THE DUMP.	
4j	Number of settling ponds	TWO	CUMULATIVE 20 NOS SETTLING TANKS HAVE BEEN MADE	
4k	Specific comments of inspecting officer on waste dump management	ALREADY MENTIONED IN THE PREVIOUS ITEMS	FIVE DUMPS HAVE BEEN MADE FOR WASTE DISPOSAL, EVERY DUMP HAS RETAINING WALL & GARLAND DRAIN, 48 NOS CHECK DAMS , 20 NOS SETTLING TANKS HAVE BEEN MADE .	WASTE DUMP MANAGEMENT IS SATISFACTORY.

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 BACK FILLING PROPOSAL	NIL	
5b	Area under backfilling of mined out area	NIL	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.	NO PROPOSAL	NIL	ALMOST ALL THE QUARRIES HAVE BEEN DEVELOPED ON THE HILL PEAK AND HILL SLOPES. THESE MINED OUT AREAS OVER 87.331 HA WILL BE RECLAIMED AND REHABILITATED CONCEPTUALLY THROUGH SOIL CONDITIONING AND PLANTATION. SIMILARLY ALL THE WASTE DUMPS OVER 13.827 HA WILL BE REHABILITATED BY PLANTATION OF LOCAL SPECIES.
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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).	YES, ANNUAL REPORT ON PMCP UNDER RULE 23E (2) HAS BEEN RECEIVED.	YES, ANNUAL REPORT ON PMCP UNDER RULE 23E (2) HAS BEEN RECEIVED.	
6b	Area available for rehabilitation (ha) .	0.581 HA	0.581 BY AFFORESTATION.	
6c	afforestation done (ha).	0.581 HA	0.581 HA	
6d	No. of saplings planted during the year	15000	18750	
6e	Cumulative no .of plants	NOT MENTIONED	34025 OVER AN AREA 13.61 HA SUVIVAL RATE 80%	
6f	Any other method of rehabilitation	NIL	NIL	
6g	Cost incurred on watch and care during the year			

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	0.581 HA SLOPE	0.581 HA SLOPE
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 on backfilled area	0.581 HA	0.581 HA
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.	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	1 HA	1 HA
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	1 HA	1 HA

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)	ENVIRONMENTAL MONITORING OF AIR, WATERE, NOISE AND VIBRATION LEVEL DUE TO BLASTING HAVE BEEN PROPOSED INSIDE THE CORE ZONE AND BUFFER ZONE.	ANALYSIS OF AIR, NOISE , WATER , VIBRATION ETC HAVE BEEN CARRIED OUT INSDE THE CORE ZONE AND BUFFER ZONE AND THE RESULT IS BELOW PERMISSIBLE LIMIT.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	PROPOSAL HAS BEEN SUBMITTED IN THE PMCP	COMPLIANCE HAS BEEN FURNISHED IN 6a TO 6p.	PMCP COMPLIANCE IS SATISFACTORY.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	1041882 MT ROM	416070 MT ROM GRADE WISE PRODUCTION / SORTING WITH IN LEASE AREA : 304110 MT	
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.	BELOW 55% FE, +55% TO -58% FE, +58% TO -60% FE, +60%FE TO --62% FE, +62% TO -65% FE AND +65% FE LUMP BELOW 55% FE, +55% TO -58% FE, +58% TO -60% FE, +60% TO -62% FE, +62% FE TO -65% FE AND +65% FE FINES	AS PROPOSED DIFFERENT GRADES HAVE BEEN SORTED OUT AT THE MINE	
7d	Any beneficiation process at mines .	ONLY DRY PROCESSING BY CRUSHING AND SCREENING	CRUSHING AND SCREENING FOR SIZING OF ORE, UP-GRADATION OF ORE AND DECREASE OF DELETERIOUS CONSTITUENTS LIKE SILICA, ALUMINA ETC.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	IRON ORE CONTAINING BELOW 50% FE IS PROPOSED TO BE STACKED SEPARATELY FOR SALE IN FUTURE. AS THE CUT-OFF GRADE HAS BEEN KEPT AT 50% FE AND THRESHOLD VALUE OF IRON ORE IS 45% FE.	SUB-GRADE ORE / MINERAL REJECTS / LOW GRADE FINES GENERATED FROM CRUSHER AND SCREEN ARE INITIALLY STACKED IN THE SUB-GRADE STACK AND SENT TO THEIR TIRILIDIHI BENIFICIATION PLANT IN THE INTEREST OF MINERAL CONSERVATION , LOCATED AT A DISTANCE OF 4 KM FROM THE ML AREA FOR UP-GRADATION.BEFORE ITS END USE. HIGH GRADE AND LOW GRADE ORE ARE BLENDED PROPORTIONATELY TO OBTAIN A PARTICULAR GRADE STIPULATED BY THE BUYERS.	MINERAL CONSERVATION AND DRY PROCESSING OF ORE IS SATISFACTORY.

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	NO PROPOSAL	NIL	
8b	Concurrent use or storage of topsoil	NO PROPOSAL	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	SEPARATE DUMPS FOR OB / WAST, REJECTS AND FINES	SEPARATE FIVE DUMPS FOR OB HAVE BEEN MAINTAINED OVER NON-MINERALISED LAND OVER AN AREA 6.14 HA SEPARATE THREE SUB-GRADE STACK HAVE BEEN MAINTAINED OVER AN AREA 1.62 HA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NO PROPOSAL	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NO PROPOSAL	NIL	ALMOST ALL THE QUARRIES HAVE BEEN DEVELOPED ON THE HILL PEAK AND HILL SLOPES
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	OUT OF TOTAL LEASE AREA 129.61 HA FOREST LAND 128.83 HA AND NON-FOREST LAND 0.780 HA. THE EXISTING FORESTED PART OF THE LEASE IS MAINLY DOMINATED BY SHRUBS VEGETATION. IS TROPICAL DECIDUOUS TYPE.	ADDITIONAL PLANTATION DONE OVER AN AREA 13.61 HA INSIDE LEASE AND 34025 NO OF SAPLINGS HAVE BEEN PLANTED CUMULATIVE. BESIDE OUTSIDE MINING LEASE 145698 NO OF SAPLINGS HAVE BEEN PLANTED OVER AN AREA 77.7 HA	

8g	Survival rate	100%	INSIDE MINING LEASE 80% AND OUT SIDE LEASE 70%.
8h	Water sprinkling on roads to control airborne dust	YES, PROPOSED	WATER SPRINKLING ON ROAD IS CARRIED OUT REGULARLY TO CONTROL AIRBORNE DUST.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	PLANTATION PROPOSED INSIDE THE LEASE AND OUT SIDE	AESTHETIC BEAUTY IN AND AROUND THE MINES HAS BEEN ENHANCED BY AFFORESTING DIFFERENT VARIETIES OF PLANTS ON HAUL ROAD SIDE, AT LEASE BOUNARY, VILLAGE ROAD ETC.

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.	I HAVE INSPECTED THE MINE ON 26.09.2016. MONTHLY RETURN FOR THE MONTH OF AUGUST , 2016 HAS BEEN RECEIVED. ANNUAL RETURN FOR THE YEAR 2015-16 HAS BEEN RECEIVED.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	APPOINTED	MINING ENGINEER SHRI H N DAS , GEOLOGIST SHRI T R MAHAKUD AND MANAGER SHRI R K MAHANTA HAVE BEEN APPOINTED.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	UNDER PITS : 38.650 HA, USED FOR WASTE DISPOSAL : 6.140 HA, OCCUPIED BY ROAD & BUILDING ETC: 9.182 HA AND FOR OTHER PURPOSE: 3.870 HA	UNDER PITS : 38.650 HA, USED FOR WASTE DISPOSAL: 6.140 HA, OCCUPIED BY ROAD & BUILDING : 9.182 HA AND FOR OTHER PURPOSES : 3.870 HA	

9d	Scrutiny of Annual return on afforestation	WITH IN MINING LEASE AREA NO OF TREES PLANTED 550 OUTSIDE LEASE AREA 18200 NOS	WITH IN M L AREA AFFORESTED 550 NO PLANTS AND OUT SIDE LEASE 18200 NOS
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM STOCK: 111960 MT GRADED ORE : LUMP 450527 MT AND FINES 302884 MT OF VARIOUS GRADES	SEEN THE ABOVE STOCK
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	PRODUCTION COST : Rs .1435 /- PER TONNE EX-MINE PRICE LUMP: -55% FE : Rs 1651 /- , +55% TO -58% FE: Rs.1227 /- , +58% TO -60% FE : RS.1795 /- . +60% TO -- 62% FE: Rs 1831/- FINES: -55% FE : Rs.351/- , +55% TO -58% FE : Rs231 /- . +58% FE TO - 60 % FE : Rs .481 /-	
9h	Scrutiny of Annual return on fixed assets	Rs.44058923 /-	

9k Scrutiny of SHOVEL (

Annual return on HYDRAULIC) 3

mining NOS OF

machineries CAPACITY

1.0CUM, SHOVEL

(HYDRAULIC) 2

NOS OF

CAPACITY 1.6

CUM, SHOVEL

(HYDRAULIC) 2

NOS OF

CAPACITY 3.0

CUM, DUMPER 4

NOS OF

CAPACITY 20

TONNE , DUMPER

6 NOS OF

CAPACITY 10

TONNE, BLAST

HOLE DRILL 1

NO OF CAPACITY

110 MM,

CRUSHER 2 NOS

OF CAPACITY

200 T/H ,

WHEEL LOADER 5

NOS OF

CAPACITY 1.8

CUM, AIR

COMPRESSOR 1

NO OF CAPACITY

450 CUM /MN,

WATER TANKER 1

N OF CAPACITY

10000 LT,

WATER TANKER 2

NOS OF

CAPACITY 6000

LT

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
Rule 13(1)	11/11/2016		
Rule 47	11/11/2016		

Date :

(NARENDRA MOHAN DEY)

Indian Bureau of Mines