

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON-MN/KJR/MCDR-83/BBS

Mine code : 30ORI08104

- (i) Name of the Inspecting : **DEY**) **NARENDRA MOHAN DEY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : SHRI P C DAS, MINING MATE AND SHRI S DAS
Official with
Designation
- (iv) Date of Inspection : 14/07/2016
- (v) Prev.inspection date : 24/01/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DALPAHAR (4.84H)**
- (b) **Registration NO.** : **IBM / 476 / 2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : KEONJHAR
- Village : DALPAHAR
- Taluka : BARBIL
- Post office : VICHAKUNDI
- Pin Code : 758035
- FAX No. : 06767-273089
- E-mail : rbdas@yahoo.in
- Phone : 0671-2617676
- (f) Police Station :
- (g) First opening date : 07/07/2010
- (h) Weekly day of rest :
2. Address for : PO- DALPAHAR
correspondance DISTT- KEONJHAR
ORISSA
3. (a) Lease Number : ORI0886
- (b) Lease area : 4.84
- (c) Period of lease : 30
- (d) Date of Expiry : 06/01/2040
4. Mineral worked : MANGANESE ORE Associated
IRON ORE Associated

5. Name and Address of the

Lessee : SRI R.B. DAS
KUNDRUPANI IRON-MN MINE
DIST: KEONJHAR ORISSA
KEONJHAR ORISSA
Phone:
FAX :

Owner : R.B.DAS
S.C.NAYAK (COMPLEX) AT/PO:
JODA KEONJHAR ORISSA
Phone:
FAX :

6. Date of approval of Mining : Modif.of approved Mining Plan 23/05/2011
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 30/07/2015

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	8 BH DURING 2015-16	NIL	MINING OPERATION WAS SUSPENDED NEARLY 10 MONTHS FROM 01.04.2015 TO 23.09.2015 BY GOVT. OF ODISHA AND FROM 12.12.2015 TO 31.03.2016 BY IBM,
1b	Exploration over lease area for geological axis 1 or 2	2015-16: 8 BH 2016-17: 10 BH	2015-16: NIL TOTAL LEASE AREA 4.840 HA HAS ALREADY BEEN EXPLORED UNDER G2 LEVEL AS PER UNFC NORMS . DURING 2014-15 NUMBER OF BH DRILLED 6 WITH GRID INTERVAL 100 M ALONG THE STRIKE METERAGE DRILLED 120 M OVER TOTAL LEASE AREA 4.84 HA.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		EXPENDITURE INCURRED Rs.586312 /- (Rs 467712 /- FOR DRILLING + Rs.118650 /- FOR SAMPLING & CHEMICAL ANALYSIS)	
1d	Balance area to be explored to bring Geological axis in 1 or 2	2015-16: 8 2016-17:10 TO KNOW THE DEPTH WARD CONTINUITY OF ORE , CONVERT RESOURCE / RESERVE FROM G2 TO G1	2015-16 : NIL	AS THE MINING OPERATION WAS SUSPENDED NEARLY 9 MONTHS DURING 2015-16, EXPLORATION WAS NOT CARRIED OUT.
1e	Balance reserve as on 01/04/20		RESERVE AS ON 25.12.2014 AS PER SCHEME OF MING APPROVED ON 30.07.2015. IRON :122: 68310 MT + 222 : 154170 MT = 222480 MT (+ 45% FE) MANGANESE : 122 : 126204 MT + 222 : 106314 MT = 232518 MT (+10% MN)	

1f General remarks of inspecting officers on geology, exploration etc

TOTAL LEASE AREA 4.84 HAS ALREADY BEEN EXPLORED UNDER G2 LEVEL AS PER UNFC.

TO KNOW THE DEPTH WARD CONTINUITY OF ORE, CONVERT RESOURCE / RESERVE FROM G2 TO G1 , EXPLORATION PROPOSAL TO DRILL 18 BH IN THE ENTIRE LEASE AREA DURING 2015-16 (8BH) AND 2016-17 (10BH) AT 50 M TO 100 M INTERVAL.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	QUARRY -1 MANGANESE ORE ZONE	QUARRY - 1 MANGANESE	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NO TOP SOIL BENCH NO OB BENCH BENCHES IN ORE 3 NOS IN QUARRY - 1	BENCHES IN ORE 3 NOS IN MANGANESE QUARRY -1.	
2c	Stripping ratio or ore to OB ratio	IRON ORE : 1 : 0.30 MANGANESE : 1 : 2.37	IRON ORE NO PRODUCTION MANGANESE : 1 : 2.55	MINING OPERATION WAS SUSPENDE FOR NEARLY 9 MONTHS FROM 01.04.2015 TO 23.09.2015 AND 12.12.2015 TO 31.03.2016.
2d	Quantity of topsoil generation in m3	NO PROPOSAL	NIL	
2e	Quantity of overburden generation in m3	IRON ORE ZONE : 2650 CUM MANGANRSE : 21400 CUM	IRON ORE ZONE NIL MANGANESE ZONE: 7446 CUM AND CUMULATIVE 38655 CUM.	MINING OPERATION WAS SUSPENDE FOR NEARLY 9 MONTHS

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	IRON ORE QUARRY 2 & 3 MANGANESE QUARRY 3	NO WORK IN IRON ORE QUARRY NEARLY 3 MONTHS WAS IN OPERATION IN MANGANESE QUARRY 1	MINING OPERATION WAS UNDER SUSPENSION FROM 01.04.2015 TO 23.09.2015 AND 12.12.2015 TO 31.03.2016. SO DEVELOPMENT OF PIT WAS VERY LESS IN MANGANESE AND NO WORK IN IRON QUARRY.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	IRON ORE ZONE QUARRY 2 & 3 MANGANESE QUARRY 1	MANGANESE QUARRY 1 FOR NEARLY 3 MONTHS NO WORK IN IRON QUARRIES	MINING OPERATION WAS SUSPENDED FOR NEARLY 9 MONTHS
3b	Quantity of ROM mineral production proposed	IRON : 11475 MT MANGANESE : 20384 MT	MANGANESE : 5615 MT	MINING OPERATION WAS SUSPENDED FOR NEARLY 9 MONTHS
3c	Recovery of sailable/usable mineral from ROM production	IRON : 11475 MT MANGANESE: 20384 MT	IRON : NIL MANGANESE: BELOW 25 % MN : 5584 MT 25% TO 35% MN : 27 MT 35% TO 46% MN: NIL DIOXIDE : 4.5 MT	
3d	Quantity of mineral reject generation	IRON : 225 CUM MANGANESE: 560 CUM	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	IRON : LESS THAN 45% FE MANGANESE : LESS THAN 10% MN	NIL	

3f	Quantity of sub grade mineral generation.	SUB-GRADE IRON ORE / MINERAL REJECTS ARE NOT SALEABLE AT PRESENT DUE TO ITS GRADE : 225 CUM SUB GRADE MANGANESE / MINERAL REJECTS ARE INTERMITTENTLY SALEABLE: 560 CUM	NIL
3g	Grade of sub grade mineral generation	IRON ORE : 45% FE TO - 55% FE MANGANESE : LESS THAN 10% MN	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	MANUAL FOR MANGANESE MANUAL AND MECHANISED FOR IRON ORE	MANUAL FOR MANGANESE
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NO BENEFICIATION STUDY PROPOSED DRY PROCESSING SUCH AS CRUSHING AND SCREENING PROPOSED TO UPGRADE ROM IRON ORE TO SUIT THE USER REQUIREMENT	SUB GRADE IRON ORE (+ 45% TO -55% FE) / MINERAL REJECTS STACKED FOR SALE IN FUTURE BEFORE OR AFTER BLENDING DEPENDING UPON THE MARKET DEMAND . FINES GENERATED DURING CRUSHING AND SCREENING STACKED SEPARATELY AND DESPATCHED ON MARKET DEMAND MANGANESE ORE LUMPS OF VARIOUS SIZES PREPARED MANUALLY WITH THE HELP OF HAMMER
3k	Provision of mining machineries in mineral benches	BACK HOE 1 NO OF CAPACITY 0.9 CUM, DUMPER 2 NO OF CAPACITY 10 TONNE, FRONT END LOADER 1 NO OF CAPACITY 1.2 CUM	BACK HOE 1 NO OF CAPACITY 0.9 CUM, DUMPER 2 NOS OF CAPACITY 10 TONNE AND FRONT END LOADER 1 NO OF CAPACITY 1.2 CUM

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	NO OF OB BENCHES NIL NO OF BENCHES IN ORE : 3 HEIGHT 6 M WIDTH 6 M	NO OF BENCHES IN ORE : 3 HEIGHT 6 M, WIDTH 6 M SUITABLE FOR METHOD OF MINING AS PROPOSED IN THE SOM	
3m	Total area covered under excavation/pits	1.481 HA	1.481 HA	
3n	Ore to OB ratio for the pit/mine during the year.	IRON ORE : 1: 0.65 MANGANESE : 1: 2.55	MANGANESE : 1 : 2.55	
3p	Production of ROM mineral during the last five year period as applicable	IRON ORE : 2010-11: 60165 MT, 2011-12: 144113 MT, 2012-13: 142380 MT, 2013-14: 120014 MT, 2014-15: 99068 MT, 2015-16: 11475 MT MANGANESE: 2010-11: 30114 MT, 2011-12: 48132 MT, 2012-13: 48048 MT, 2013-14: 40026 MT, 2014-15: 40026 MT, 2015-16: 20384 MT	IRON ORE : 2010-11: 58355 MT, 2011-12: 49570 MT, 2012-13: 72965 MT, 2013-14: 26460 MT, 2014-15: 7455 MT , 2015-16: NIL MANGANESE : 2010-11: 11011 MT, 2011-12: 14757 MT, 2012-13: 14936 MT, 2013-14: 10227 MT, 2014-15 : 6149 MT, 2015-16: 5615 MT	PRODUCTION IS IN LOWER SIDE DUE TO NON-AVAILABILITY OF MORE SPACE FOR WASTE DUMPING
3q	General remarks of inspecting officers on method of mining etc.	OTHER THAN FULLY MECHANISED METHOD AND INVOLVEMENT OF MANUAL OPERATION		OTHER THAN FULLY MECHANISED METHOD ON EIGHT HOURLY SHIFT BASIS DEPLOYING BACK HOE, DUMPER , FRONTEND LOADER AND ALSO MANNUALLY SIZING OF MANGANESE ORE LUMPS WITH THE HELP OF HAMMER

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NO TOP SOIL DUMPING SEPARATE DUMPING OF OB AND MINERAL REJECTS	SEPARATE DUMPING OF OB AND MINERAL REJECTS	
4b	Location of topsoil, OB and mineral reject dumps	NO TOP SOIL DUMPING PROPOSAL OB / WASTE IN SIDE LEASE AREA AT ITS NORTHERN END MINERAL REJECT DUMP NEAR PILLAR B .	OB / WASTE DUMP IN SIDE LEASE AREA AT ITS NORTHERN END PROVED BARREN , OUT SIDE ULTIMATE PIT LIMIT.	
4c	Number of dumps within lease area and outside of lease area	THREE EXISTING DUMPS DUMP -1, DUMP-2 , DUMP-3 WITH IN LEASE DURING THE SCHEME PERIOD 2015-16 TO 2019-20 NEW DUMPS DUMP-4 AND DUMP -5 HAVE BEEN PROPOSED FOR IRON AND MANGENESE RESPECTIVELY INSIDE LEASE AREA. NO DUMP OUT SIDE LEASE AREA.	NO DUMP OUT SIDE LEASE AREA. DUMP 4 & 5 ARE ON THE NON-MINELISED LAND.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	DUMP 4& 5 NEAR PILLAR C BEYOND ULTIMATE PIT LIMIT	DUMP 4& 5 NEAR PILLAR C BEYOND ULTIMATE PIT LIMIT	
4e	Number of active and alive dumps.	DUMP 4& 5	DUMP 4 & 5	
4f	Number of dead dumps.	NIL	NIL	

4g	Number of dumps established.	EXISTING DUMP 3 PROPOSED DUMP 2	DUMP 4 & 5	
4h	Whether Retaining wall or garland drain all along dumps are there.	RETAINING WALL AND GARLAND DRAIN AROUND DUMP NO 4 & 5	RETAING WALL AND GARLAND DRAIN HAVE BEEN CONSTRUCTED AROUND DUMP NO.4 & 5	
4i	Length of Retaining wall or garland drain all along dumps	DUMP NO.4, RETAINING WALL / GARLAND DRAIN 85 M X 1 M X 1 M DUMP NO.5 : RETAINING WALL / GARLAND DRAIN 90 M X 1 M X 1 M	DUMP NO 4 RETAINING WALL / GARLAND DRAIN 90 M X 1 M X 1 M DUMP NO 5: RETAINING WALL / GARLAND DRAIN 40 M X 1 M X 1 M	MINING OPERATION WAS SUSPENDED FOR NEARLY 9 MONTHS.
4j	Number of settling ponds	ONE	ONE	
4k	Specific comments of inspecting officer on waste dump management	DUMP 4 & 5	BESIDE EXISTING DUMP 1,2 & 3 DUMP 4 & 5 HAVE BEEN CONSTRUCTED. ON THE NON- MINERALISED ZONE. TOTAL AREA COVERED DUMP 0.396 HA OB REMOVED DURING THIS TEAR 4964 CUM	RETAINING WALL, GARLAND DRAIN & SETTLING TANK HAVE BEEN MADE. OVER NON - MINERALISED LAND

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 PART OR FULL EXTRACTION OF MINERAL	NIL	
5b	Area under backfilling of mined out area	500 SQ M.	NIL	MINE WAS UNDER SUSPENSION FOR NEARLY 9 MONTHS.

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NO PROPOSAL	NIL	
5d	Total area fully reclaimed and rehabilitated	NO PROPOSAL	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			PROPOSAL FOR BACK FILLING 500 SQ.M MINED OUT AREA . DURING 2015-16. BUT DUE TO SUSPENSION OF MINING OPERATION FOR NEARLY 9 MONTHS , THE SAME WAS NOT DONE.

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).	RECEIVED	ANNUAL REPORT ON PMCP UNDER RULE 23E (2) HAS BEEN RECEIVED.	
6b	Area available for rehabilitation (ha) .	0.075 HA	0.01 HA	
6c	afforestation done (ha).	0.075 HA	0.01 HA	
6d	No. of saplings planted during the year	188 SAPLINGS	300 SAPLINGS	
6e	Cumulative no .of plants		1669 NO OF TREES OVER 0.281 HA	
6f	Any other method of rehabilitation	NO	NO	
6g	Cost incurred on watch and care during the year			

6p	Compliance of environmental monitoring (core zone and buffer zone)	ENVIRONMENTAL MONITORING PROPOSED	ENVIRONMENTAL MONITORING ON WATER, AIR & NOISE ARE BEING CARRIED OUT .	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			1669 NOS TREES HAVE BEEN PLANTED OVER AN AREA 0.281 HA , RETAINING WALL, GARLAND DRAIN & SETTLING TANK HAVE BEEN CONSTRUCTED. MINING OPERATION WAS SUSPENDED FOR NEARLY 9 MONTHS.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	IRON ORE : 11475 MT MANGANESE : 20384 MT	IRON ORE NIL MANGANESE : 5615.500 MT GRADE - WISE : BELOW 25% MN : 5584 MT , 25% TO - 35% MN : 27 MT , DIOXIDE ORE : 4.500 MT	MINE WAS UNDER SUSPENSION FOR NEARLY 9 MONTHS FROM APRIL, 2015 TO SEPTEMBER, 2015 AND DECEMBER, 2015 TO MARCH, 2016.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	IRON : MECHANICAL MANGANESE : MANUAL	MANGANESE : MANUAL	
7c	Different grade of mineral sorted out at mines.	IRON LUMP & FINES OF BELOW 55% FE, 55 TO -58% FE, 58 TO -60 % FE, 60 TO -62% FE, 62 TO-65 %FE, +65% & MORE MANGANESE BELOW 25% MN, 25 TO -35% MN, 35 TO -46% MN, 46 % MN & ABOVE, DIOXIDE	MANGANESE : BELOW 25% MN, 25 TO -35% MN, 35 TO -46% MN, 46 % MN & ABOVE, DIOXIDE	

7d	Any beneficiation process at mines .	ONLY MOBILE SCREEN 150 TPH FOR SEPARATION OF IRON ORES INTO VARIOUS SIZES	MANGANESE ORE LUMPS OF VARIOUS SIZES PREPARED MANUALLY WIT THE HELP OF HAMMERS .	SUB-GRADE IRO ORE (+ 45% TO -55% FE) / MINERAL REJECT STACKED SEPARATELY FOR SALE IN FUTURE BEFORE OR AFTER BLENDING DEPENDING UPON MARKET DEMAND.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	ORDER OF SUSPENSION OF MINING OPERATION WAS ISSUED ON 07.12.2015 FOR STACKING OF MINERAL IN THE NON-APPROVED AREA FOR NON-COMPLIANCE OF SHOW-CAUSE NOTICE ISSUED ON 27.08.2015 ON THE BASIS OF INSPECTION ON 19.04.2015. SUBSEQUENTLY PARTIAL REVOCATION OF ORDER OF SUSPENSION OF MINING OPERATION WAS ISSUED ON 31.03.2016.	NOW THE LESSEE HAS APPLIED VIDE THEIR LETTER NO. DIMM/IBM/F-01/2016-17 DATED 16.12.2016 FOR FULL REVOCATION OF ORDER OF SUSPENSION INTIMATING COMPLIANCE OF VIOLATIONS THE SAME IS UNDER PROCESS.	SUB-GRADE ORE (+45% FE TO -55% FE) / MINERAL REJECT STACKED SEPARATELY FOR SALE IN FUTURE BEFORE OR AFTER BLENDING DEPENDING UPON THE MARKET DEMAND. RUN -OFF IRON ORE RAISED FROM THE MINE SCREEN (150 TPH) FOR SEPARATION OF IRON ORE INTO VARIOUS SIZES

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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)	YES	SEPARATE DUMPS FOR OB / WASTE , THREE EXISTING DUMPS DUMP 1,2 &3 AND TWO NEW DUMPS DUMP 4 & 5. SUB GRADE FE ORE / MINERAL REJECT STACKED SEPARATELY	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	PROPOSAL FOR BACK FILLING 500 SQ.M MINED OUT AREA DURING 2015-16	NOT DONE	MINE WAS UNDER SUSPENSION NEARLY 9 MONTHS
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		THE ENTIRE ML AREA 4.84 HA IS LOCATED IN RESERVE FOREST. ADDITIONAL PLANTION DONE 1669 NOS OVER AN AREA 0.281 HA INSIDE MINING LEASE.	
8g	Survival rate		80 %	
8h	Water sprinkling on roads to control airborne dust	THERE IS PROPOSAL	WATER IS BEING SPRINKLED ON ROADS TO CONTROL AIRBORNE DUST.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			THE ENTIRE ML AREA 4.84 HA IS LOCATED IN RESERVE FOREST. ADDITIONAL PLANTATION HAS BEEN DONE 1669 NOS OVER 0.281 HA INSIDE LEASE AND AESTHETIC BEAUTY HAS BEEN ENHANCED IN AND AROUND THE MINE.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	SUBMITTED.	I HAVE INSPECTED THE MINE ON 14.07.2016. MONTHLY RETURN FOR THE MONTH OF JUNE, 2016 SUBMITTED. ANUUAL RETURN FOR THE YEAR 2015-16 SUBMITTED.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		SHRI A P MOHANTY, MINING ENGINEER, SHRI S MOHANTY, GEOLOGIST AND SHRI M K SAHU, MANAGER HAVE BEEN APPOINTED.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		AREA UNDER PITS : 1.481 HA, USED FOR WASTE DISPOSA; : 0.396 HA, ROAD & BUILDING ETC : 0.253 HA
9d	Scrutiny of Annual return on afforestation		NO OF TREES PLANTED 300
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore		ROM STOCK : IRON ORE : NIL GRADED ORE STOCK : LUMP: -55% FE: 9372 MT , +55 TO -58% FE : 573 MT, +58 TO -60 % FE: 820 MT , +60 TO -62% FE: 93 MT, +62TO -65% FE: 4 MT. +65% FE & ABOVE : NIL FINES: -55% FE: 52037 MT, +62% FE TO -65% FE : 81 MT ROM STOCK : MANGANESE : NIL GRADED ORE STOCK : BELOW 25% MN : 6120 MT, +25 TO -35% MN : 353 MT, +35 TO -46% MN : 169 MT, DIOXIDE ORE : 37 MT

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	<p>MANGANESE: SALE VALUE : RS.3564024 /- FOR QUANTITY 2501 TONNE GRADE BELOW 25% MN</p> <p>Rs.3560761 /- FOR QUANTITY 2499 TONNE GRADE BELOW 25% MN EX-MINE PRICE : BELOW 25% MN : Rs.1055/-, +25 TO -35% MN : Rs. 4300 /- ,</p> <p>+35 TO -46% MN : Rs 9240 /-,DIOXIDE ORE : Rs 24000 /-. PRODUCTION COST : Rs.1564.29 /-</p>
9h	Scrutiny of Annual return on fixed assets	<p>FIXED ASSETS : Rs.520657 /-</p>
9k	Scrutiny of Annual return on mining machineries	<p>BACK HOE 1 NO OF CAPACITY 0.9 CUM, DUMPER 2 NOS OF CAPACITY 10 TONNE, FRONT END LOADER 1 NO OF CAPACITY 1.2 CUM, GENERATOR (DIESEL) 1 NO OF CAPACITY 25 KWH.</p>

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