

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/GRPH/NUP/MCDR-6/BBS

Mine code : 28ORI24006

- (i) Name of the Inspecting : **DEY**) **NARENDRA MOHAN DEY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : S/SHRI R K MISHRA, GENERAL MANAGER & JAGADISH DAS, MI
Official with
Designation
- (iv) Date of Inspection : 10/08/2017
- (v) Prev.inspection date : 16/01/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GANDABAHALI & KIRKITA(35.**
- (b) **Registration NO.** : **IBM / 4400 / 2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : NAWAPARA
- Village : GANDABAHALI
- Taluka : KHARIAR
- Post office : GANDABAHALI
- Pin Code :
- FAX No. : 0663-2403251
- E-mail : Pratyush_agi@hotmail.com
- Phone : 0663-2403251
- (f) Police Station : SINAPALI VIA KHARIAR
- (g) First opening date : 22/06/2006
- (h) Weekly day of rest : TUE
2. Address for : Gandabahali-(village & Po), Sinapali- Tahsil,
correspondance Nuapara- Dist
Odisha-766118
3. (a) Lease Number : ORI0675
- (b) Lease area : 20.23
- (c) Period of lease : 20
- (d) Date of Expiry :
4. Mineral worked : GRAPHITE Main

5. Name and Address of the

Lessee : PROMOD KUMAR AGRAWAL
SAMBALPUR ORISSA Sambalpur
ORISSA
Phone:
FAX :

Owner : M/S P.K. AGARWAL
AT-PATTNAIKPARA PO/DIST-
SAMBALPUR Sambalpur ORISSA
Phone:
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 29/03/2016
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	AS PER SCHEME OF MINING APPROVED ON 29.03.2016 FOR THE PERIOD 2016-17 TO 2020-21, THE EXPLORATION PROPSAL WAS AS FOLLOWS: 2016-17 : 8 BOREHOLE, 2017-18: 9 BH & 2018-19: 9 BH	NO BH WAS DRILLED DURING 2016-17	VIOLATION UNDER RULE 11(1) OF MCDR, 2017 FOR NOT DRILLING BH AS PER PROPOSAL, HAS BEEN POINTED OUT TO THE LESSEE.
1b	Exploration over lease area for geological axis 1 or 2	EXPLORATION PROPOSAL 2016-17: 8 BH, 2017-18: 9 BH & 2018-19: 9 BH	NO BH DRILLED DURING 2016-17. HOWEVER LESSEE HAS DRILLED PREVIOUSLY CUMULATIVE 16 DTH / NON-CORE VERTICAL DRILL HOLES BY THE HELP OF 100 MM DIA DRILL UPTO 34 M DEPTH FROM SURFACE LEVEL. TOTAL METERAGE DRILLED 455.5 M. IN ADDITION 7 TRENCHES AND 2 TRIAL PITS HAVE BEEN DEVELOPED UPTO 5.5 M DEPTH EACH FROM SURFACE LEVEL.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		NO BH DRILLED DURING 2016-17. HOWEVER, PREVIOUSLY TOTAL METERAGE DRILLING IS 455.5 M. UNIT COST OF DRILLING MADE BY THE LESSEE @ Rs.450 / M TOTAL EXPENDITURE INCURRED 455.5 M X Rs.450 / M = Rs.204975 /-. NON-CORE / DTH DRILLING HAS BEEN CARRIED OUT BY THE LESSEE CON-CURRENTLY WITH THE MINING OPERATION.	

1d	Balance area to be explored to bring Geological axis in 1 or 2	UNEXPLORED LEASE AREA 25.904 HA 2016-17: 8 BH, 2017-18: 9 BH & 2018-19: 9 BH AS PER S O M APPROVED ON 29.03.2016 FOR THE PERIOD 2016-17 TO 2020-21	OUT OF TOTAL 35.409 HA, LEASE AREA EXPLORED AS PER UNFC NORMS UNDER G2 LEVEL 7.935 HA , UNDER G3 LEVEL 1.570 HA (NO ORE BEARING AREA) AND UNEXPLORED LEASE AREA 25.904 HA TOTAL ALREADY 16 DTH / NON-CORE VERTICAL DRILL HOLES HAVE BEEN PUT , WITH TOTAL METERAGE DRILLED 455.5 M.	
1e	Balance reserve as on 01/04/20		AS PER S O M APPROVED ON 29.03.2016, THE RESERVES AS PER UNFC IS AS FOLLOWS : 122: 217845 TONNE, 332: 27519 TONNE, 333: 46971 TONNE, TOTAL 292335 TONNE AS PER ANNUAL RETURN 2016-17, THE RESERVES MENTIONED AS FOLLOWS: 122 : 210215 TONNE, 332 : 27519 TONNE, 333 : 46971 TONNE	
1f	General remarks of inspecting officers on geology, exploration etc	EXPLORATION PROPOSAL WAS 2016-17: 8 BH, 2017-18: 9 BH & 2018-19: 9 BHM OVER UN-EXPLORED LEASE AREA 25.904 HA	NO BH DRILLED DURING 2016-17. DURING INSPECTION IT WAS INFORMED THAT SOME BORE HOLES HAVE BEEN DUG DURING 2016-17. LESSEE HAS BEEN ADVISED TO FURNISH THE INFORMATION WITH SUPPORTING DOCUMENTS.	HOWEVER PREVIOUSLY ALREADY 16 DTH/ NON-CORE VERTICAL DRILLHOLES HAVE BEEN PUT WITH TOTAL METERAGE DRILLING 455.5 M. LEASE AREA ALREADY EXPLORED AS PER UNFC UNDER G2 LEVEL 7.935 HA, G3 LEVEL 1.570 HA AND UNEXPLORED LEASE AREA 25.904 HA.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

2a	Location of development w.r.t.lease area	EXISTING QUARRY-1 PROPOSED TO BE DEVELOPED LATERALLY AS WELL AS TOWARDS DEPTH. IN ADDITION TO QUARRY-1, QUARRY-2 PROPOSED TO BE DEVELOPED DURING 2016-17	AT QUARRY-1 PIT TOP LEVEL :RL 247 M & PIT BOTTOM LEVEL: RL 239 M	DEVELOPED AS PER PROPOSAL.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES, SEPARATE BENCHES IN TOP SOIL, OB & MINERALS	SEPARATE BENCHES IN TOP SOIL, OB & MINERALS	
2c	Stripping ratio or ore to OB ratio	1 : 4.1	1 : 2.0	
2d	Quantity of topsoil generation in m3	6135 CUM	600 CUM	
2e	Quantity of overburden generation in m3	37735 CUM	7123 CUM	DEVELOPMENT WORK WAS LESS.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	EXISTING QUARRY -1 PROPOSED TO BE DEVELOPED LATERALLY AS WELL AS DEPTH. IN ADDITION TO QUARRY-1, QUARRY-2 PROPOSED TO BE DEVELOPED .	MINE RE-OPENED ON 24.08.2015 PIT TOP LEVEL : RL 247 M & PIT BOTTOM LEVEL: 239 M, AS PER PROPOSAL.	DEVELOPMENT OF PIT WAS VERY LESS AGAINST THE PROPOSAL, SO THE TOP SOIL REMOVAL & OB GENERATION WAS VERY LESS.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	ONE PIT	ONE PIT	

3b	Quantity of ROM mineral production proposed	2016-17: ROM = 19562 TONNE (13041 TONNE BENEFICIABLE ORE + 6521 TONNE MINERAL REJECT CONSIDERED AS SUB - GRADE)	7629.9 TONNE
3c	Recovery of sailable/usable mineral from ROM production	13041 TONNE BENEFICIABLE ORE + 6521 TONNE MINERAL REJECT CONSIDERED AS SUB-GRADE = 19562 TONNE ROM	7629 TONNE BENEFICIABLE ORE
3d	Quantity of mineral reject generation	6521 TONNE MINERAL REJECT CONSIDERED AS SUB-GRADE	NIL
3e	Grade of mineral rejects generation and threshold value declared.	THRESHOLD VALUE OF GRAPHITE ORE IS 3% F C. MINERAL REJECT CONTAINING +3% TO - 5% F C IS CONSIDERED AS SUB-GRADE ORE.	SAME IS MAINTAINED.
3f	Quantity of sub grade mineral generation.	6521 TONNE	NIL
3g	Grade of sub grade mineral generation	+3 % TO - 5% F C	SAME IS MAINTAINED
3h	Manual / Mechanised method adopted for segregating from ROM	MANUAL AS WELL AS MECHANISED	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NO PROPOSAL MINERAL REJECT CONSIDERED AS SUB-GRADE	GENERATION OF MINERAL REJECT / SUB-GRADE DURING 2016-17: NIL
3j	Provision of drilling and blasting in mineral benches	YES, PROVISION OF DRILLING AND BLASTING IN MINERAL BENCHES. AT PLACES , WHERE HARD ROCH IS COUNTERED, DRILLED BY DTH DRILL OF 100 MM DIA AND BLASTED BY HIGH / POWER GEL EXPLOSIVE.	AT PLACES, WHERE HARD ROCK IS ENCOUNTERED, HARD ROCKS ARE DRILLED BY DTH DRILL AND BLASTED FOR EASE IN EXCAVATION AND ASSUMED TO BE 25 % OF THE TOTAL EXCAVATION. DRILLING BY WAGON DRILL OF 100 MM DIA ASSOCIATED WITH COMPRESSOR OF CAPACITY 350 CFM . HOLES DRILLED IN SELECTED HARD ROCK PATCHES WITH BURDEN AND SPACING OF 1.75 M AND 2.40 M RESPECTIVELY BLASTED BY HIGH / POWER GEL EXPLOSIVE IN CONJUCTION WITH SAFETY FUSE AND DETONATOR
3k	Provision of mining machineris in mineral benches	WAGON DRILL (100 MM) AND COMPRESSOR (350 CFM) FOR DRILLING HYDRAULIC EXCAVATOR (0.9CUM BUCKET CAPACITY) , JCB / FRONT- END LOADER &TIPPER (10 TONNE)	WAGON DRILL 100 mm DIA, COMPRESSOR 350 cfm FOR DRILLING HYDRAULIC EXCAVATOR 0.9 CUM , JCB / FRONT-END LOADER & TIPPER 10 TONNE ARE USED.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	HEIGHT OF BENCHES IN OB AND MINERAL 5 METER	5 M HEIGHT IN OB & MINERAL SUITABLE FOR METHOD OF MINING AS PROPOSED IN S O M.
3m	Total area covered under excavation/pits	0.250 HA	0.250 HA AREA COVERED UNDER EXCAVATION.

3n	Ore to OB ratio for the pit/mine during the year.	1 : 4.1	1 : 2.0	
3o	Total area put in use under different heads at the end of year	UNDER O/C WORKING : 0.250 HA, USED FOR WASTE DISPOSAL: 0.240 HA & OCCUPIED BY ROAD & BUILDING : 0.710 HA	O / C WORKING : 0.250 HA, USED FOR WASTE DISPOSAL: 0.240 HA & OCCUPIED BY ROAD ETC: 0.710 HA	
3p	Production of ROM mineral during the last five year period as applicable	2016-17: 19562 TONNE, 2017-18 TO 2020-21: 21357 TONNE EVERY YEAR	2013-14: NIL 2014-15: NIL 2015-16: 1667.8 TONNE 2016-17: 7629.9 TONNE 2017-18: 3578.5 TONNE (UPTO JULY, 2017)	MINE RE-OPENED ON 24.08.2015 AFTER CLEARANCE E C.
3q	General remarks of inspecting officers on method of mining etc.	2016-17: OB REMOVAL PROPOSAL : 377356 CUM ROM PROPOSAL : 13041 TONNE (BENEFICIABLE ORE) + 6521 TONNE (MINERAL REJECT CONSIDERED AS SUB-GRADE) = 19562 TONNE	2016-17: OB REMOVED : 7123 CUM ROM PRODUCED: 7629.9 TONNE BENEFICIABLE ORE MINERAL REJECT / SUB-GRADE : NIL	OPEN CAST METHOD OF MINING IS ADOPTED IN THE MINE WITH THE DEPLOYMENT OF MACHINES LIKE JACK-HAMMER DRILL, WAGON DRILL, COMPRESSOR, HYDRAULIC EXCAVATOR, FRONT-END LOADER, TIPPER ETC. HEIGHT AND WIDTH OF THE BENCHES KEPT AT 5 M AND 8 M RESPECTIVELY. WHEREEVER HARD ROCK PATCHES ARE ENCOUNTERED, BLASTING IS CARRIED OUT FOR EASE IN EXCAVATION WITH BURDEN & SPACING OF 1.75 M & 2.40 M RESPECTIVELY. ROM ORE & OB ARE EXCAVATED & LOADED IN THE TIPPER BY 0.9 CUM CAPACITY EXCAVATOR.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	SEPARATELY DUMPING OF TOP SOIL, OB & MINERAL REJECTS PROPOSED.	SEPARATELY DUMPED.	
4b	Location of topsoil, OB and mineral reject dumps	SOUTHERN SIDE OF THE LEASE	SEPARATE DUMP OF OB, MINERAL REJECTS CONSIDERED AS SUB-GRADE AND TOP SOIL	
4c	Number of dumps within lease area and outside of lease area	TWO DUMPS WITH IN LEASE AREA.	TWO DUMPS WITHIN LEASE AREA AND NO DUMP OUTSIDE OF LEASE AREA.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	BEYOND ULTIMATE PIT LIMIT	BEYOND ULTIMATE PIT LIMIT	
4e	Number of active and alive dumps.	TWO ACTIVE DUMPS	TWO ACTIVE DUMPS	
4f	Number of dead dumps.	NO DEAD DUMP	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there.	RETAINING WALL 350 M AND GARLAND DRAIN 250 M PROPOSED	NOT CONSTRUCTED.	VIOLATION UNDER RULE 11(1) OF MCDR, 2017 FOR NOT CONSTRUCTING RETAINING WALL & GARLAND DRAIN AS PER PROPOSAL , HAS BEEN POINTED OUT TO THE LESSEE.
4i	Length of Retaining wall or garland drain all along dumps	RETAINING WALL : 350 M AND GARLAND DRAIN : 250 M	NIL	
4j	Number of settling ponds	ONE	NIL	
4k	Specific comments of inspecting officer on waste dump management		TWO DUMPS ONE APPROXIMATELY 10 FEET HEIGHT ANOTHER APPROXIMATELY 30 FEET HEIGHT , AFTER RE-OPENING OF THE MINE ON 24.08.2015. RETAINING WALL & GARLAND DRAIN HAVE NOT BEEN CONSTRUCTED AROUND THE DUMP TO ARREST THE WASH OFF.	VIOLATION UNDER RULE 11(1) OF MCDR, 2017 FOR NOT CONSTRUCTING RETAINING WALL & GARLAND DRAIN AS PER PROPOSAL HAS BEEN POINTED OUT TO THE LESSEE.

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 PROPOSAL	NIL,	PART OR FULL EXTRACTION OF MINERAL FROM MINE NOT COMPLETED. SINCE MINERAL HAS NOT BEEN EXHAUSTED FROM MINE , BACKFILLING DOES NOT ARISE.
5b	Area under backfilling of mined out area	NO PROPOSAL	NIL	
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.			MINERAL HAS NOT BEEN EXHAUSTED FROM THE MINE. MINE IS NOT MATURED FOR BACK FILLING.

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).	NOT SUBMITTED	NO WORK DONE	VIOLATION UNDER RULE 26(2) OF MCDR, 2017 FOR NOT SUBMITTING ANNUAL REPORT ON PMCP , HAS BEEN POINTED OUT TO THE LESSEE.
6b	Area available for rehabilitation (ha) .	NO PROPOSAL	NIL	

6c	afforestation done (ha).	250 NUMBER SAPLINGS TO BE PLANTED OVER 0.140 HAAREA DURING 2016-17	65 PLANTATION DONE	
6d	No. of saplings planted during the year	250 SAPLINGS PROPOSED TO BE PLANTED DURING 2016-17	65 NO PLANTATION DONE	
6e	Cumulative no .of plants	350 NO. OF PLANTATION	596 NO. OF PLANTATION	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		MINE RE-OPENED ON 24.08.2015 AFTER DISCONTINUANCE SINCE 2009. ANNUAL RETURN ON PMCP NOT SUBMITTED FOR THE YEAR 2016-17.	VIOLATION UNDER RULE 26 (2) OF MCDR, 2017,HAS BEEN POINTED OUT TO THE LESSEE, FOR NON-SUBMISSION OF ANNUAL RETURN ON PMCP CUMULATIVE PLANTATION DONE 596 NOS OVER AN AREA 0.238 HA. VIOLATION UNDER RULE 11(1) OF MCDR, 2017 FOR NOT CONSTRUCTING RETAINING WALL & GARLAND DRAIN , HAS BEEN POINTED OUT.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

7a	ROM Mineral dispatch or grade-wise sorting within lease area	2016-17: 19562 TONNE (13041 T BENEFICIABLE ORE + 6521 T MINERAL REJECT CONSIDERED AS SUB-GRADE) 2017-18: 21357 TONNE (14238 T BENEFICIABLE ORE + 7119 T MINERAL REJECT CONSIDERED AS SUB-GRADE)	2016-17: 7629.9 TONNE 2017-18: 3578.5 TONNE UPTO JULY, 2017.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MANUAL	MANUAL
7c	Different grade of mineral sorted out at mines.	GRAPHITE ORECONTAINING MORE THAN 5% FC PROPOSED TO BE BENEFICIATED DIRECTLY AS BENEFICIABLE ROM ORE. THRESHOLD VALUE OF GRAPJITE ORE IS 3% F C.	GRAPHITE ORE OF THIS MINE IS LOW GRADE TYPE AND CONTAINS 6.35% FC ON AN AVERAGE. MINERAL REJECT OF GRADE +3% TO - 5% FC CONSIDERED AS SUB-GRADE.
7d	Any beneficiation process at mines .	AT MINE NO BENEFICIATION PROCESS.	GRAPHITE ORE PRODUCED FROM MINE OF GRADE 6.35% F C ON AN AVERAGE IS BENEFICIATED IN THE BENEFICIATION PLANT LOCATED AT ADJACENT LEASE AREA OF THE LESSEE FOR SEMI-ENRICHMENT OF GRAPHITE.

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	CUT-OFF GRADE IS 5% FC. THRESHOLD VALUE OF GRAPHITE ORE IS 3% FC	GRAPHITE ORE OF +5% FC IS BENEFIFIABLE AND MINERAL REJECT OF GRADE +3% TO - 5% F C CONSIDERED AS SUB-GRADE , INITIALLY STACKED AND SUBSEQUENTLY BENEFICIATED FOR SEMI-ENRICHMENT IN LEAN PERIOD MOSTLY IN RAINY SEASON
----	--	--	--

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	6135 CUM TOP SOIL PROPOSED TO BE REMOVED.AND STORED DURING 2016-17 AND PROPOSED TO BE UTILISED / SPREAD OVER THE BACK-FILLED AREA	600 CUM	
8b	Concurrent use or storage of topsoil	6135 CUM TOPSOIL PROPOSED TO BE STORED DURING 2016-17.	600 CUM	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	SEPARATE DUMP FOR OB AND MINERAL REJECT PROPOSED	TWO OB DUMPS HAVE BEEN CONSTRUCTED AND ONE MINERAL REJECT DUMP CONSIDERED AS SUB-GRADE.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	250 NUMBER OF SAPLINGS PROPOSED TO BE PLANTED DURING 2016-17 OVER 1000 SQM AREA	65 NO. OF SAPLINGS PLANTED DURING 2016-17.	

8h	Water sprinkling on roads to control airborne dust	WATER SPRINKLING ON ROAD PROPOSED	WATER IS SPRINKLED ON ROADS TO CONTROL AIRBORNE DUST.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		CUMULATIVE 365 NO OF TREES HAVE BEEN PLANTED OVER AN AREA 0.146 HA IN SIDE LEASE AND 231 NO. OF TRRES HAVE BEEN PLANTED OVER 0.092 HA OUT SIDE MINING LEASE	MINING WORKING IS ON A VERY SMALL SCALE. AESTHETIC BEAUTY IN AND AROUND MINE HAS BEEN MAINTAINED AND IS SATISFACTORY.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	I HAVE INSPECTED THE MINE ON 10.08.2017. MONTHLY RETURN FOR THE MONTH OF JULY, 2017 HAS BBEN RECEIVED. ANNUAL RETURN FOR THE YEAR 2016-17 HAS BEEN RECEIVED.	IN THE MONTHLY RETURN OF JULY, 2017 THE PRODUCTION REPORTED AS 1971.300 TONNE. IN THE ANNUAL RETURN OF THE YEAR 2016-17, THE PRODUCTION REPORTED AS 7629.900 TONNE.	NUMBER OF DAYS THE MINE WORKED DURING THE YEAR 2016-17 : 294 DAYS
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	MANAGER SHRI NIRMAL KUMAR HAS BEEN APPOINTED.	NO MINING ENGINEER AND NO GEOLOGIST HAS BEEN APPOINTED.	VIOLATION UNDER RULE 55.3.(iii) OF MCDR, 2017 FOR NOT APPOINTING MINING ENGINEER & GEOLOGIST HAS BEEN POINTED OUT TO THE LESSEE.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	AREA UNDER PITS: 0.250 HA, USED FOR WASTE DISPOSAL : 0.240 HA AND OCCUPIED BY ROAD ETC : 0.710 HA	SAME AS REPORTED THE ANNUAL RETURN.	

9d	Scrutiny of Annual return on afforestation	NUMBER OF TREES PLANTED DURING THE YEAR 2016-17: 65 NOS.	SAME AS MENTIONED IN THE A R.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM PRODUCTION : 7629.900 TONNE, CLOSING STOCK: 1943.309 TONNE GRADE OF ORE ; 6.35 % F C	SAME AS REPORTED IN THE A R.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	SALE VALUE : Rs.2234070 /- Ex- MINE PRICE : Rs.300 /- AND PRODUCTION COST : Rs.300/-	SAME AS REPORTED IN THE A R.
9h	Scrutiny of Annual return on fixed assets	FIXED ASSETS MENTIONED AS 0.	FIXED ASSETS MENTIONED AS 0
9k	Scrutiny of Annual return on mining machineries	NO MINING MACHINERY	NO MINING MACHINERY.

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
MCDR17	Rule 11(1)	18/08/2017			
MCDR17	Rule 26(2)	18/08/2017			
MCDR17	Rule 31(1)	18/08/2017			
MCDR17	Rule 55(1)(3)	18/08/2017			

Date :

(NARENDRA MOHAN DEY)

Indian Bureau of Mines