

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/GRPH/BLG/MCDR-30/BBS

Mine code : 28ORI03063

- (i) Name of the Inspecting : **DEY**) **NARENDRA MOHAN DEY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : REPRESENTATIVE OF LESSEE
Official with
Designation
- (iv) Date of Inspection : 13/05/2014
- (v) Prev.inspection date : 17/03/2013

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SOLEBANDH (MLA 25.97)**
- (b) **Registration NO.** : **IBM / 10087 / 2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : BOLANGIR
- Village : SOLEBANDH
- Taluka : PATNAGARH
- Post office : JHULENBAR
- Pin Code :
- FAX No. : 06657220958
- E-mail :
- Phone : 0663 - 222481 / 221872
- (f) Police Station :
- (g) First opening date : 30/12/1995
- (h) Weekly day of rest :
2. Address for : VILL-SOLEBANDH
correspondance PO-SOLEBANDH
DIST-BOLANGIR
3. (a) Lease Number : ORI0619
- (b) Lease area : 24.65
- (c) Period of lease : 20
- (d) Date of Expiry : 30/11/2015
4. Mineral worked : GRAPHITE Main

5. Name and Address of the

Lessee : M/S R.K.AGARWAL
SAMBALPUR ORISSA
Phone:
FAX :

Owner : M/S R.K.AGARWAL
SAMBALPUR ORISSA
Phone:
FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	16/03/2009
Plan/Scheme of Mining	:	Modif.approved Mining Scheme	29/07/2010

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	SCHEME OF MINING APPROVED ON 18.08.2011 FOR THE PERIOD 2011-12 TO 2015-16. PROPOSAL OF EXPLORATION WAS AS FOLLOWS: 2011-12: 10 BH & 3 TRIAL PITS, 2012-13: 8 BH AND 2013-14: 4 BH TOTAL 22 BH & 3 TRIAL PIS	NIL NO WORK SINCE 28.02.2009	MINING OPERATION HAS BEEN DISCONTINUED SINCE 28.02.2009 AND SUBSEQUENTLY THE STATE GOVT. DECLARED THE LEASE STOOD LAPSED w e f 27.02.2011 VIDE LETTER DATED 21.12.2015.
1b	Exploration over lease area for geological axis 1 or 2	22 BH AND 3 TRIAL PITS DURING 2011-12 TO 2013-14 AS PER SCHEME OF MINING APPROVED ON 18.08.2011	NIL HOWEVER RESERVE HAS BEEN ESTIMATED BASED ON THE TRIAL PITS MADE DURING THE PROSPECTING OPERATIONS.	MINING OPERATION HAS BEEN DISCONTINUED SINCE 28.02.2009 AND SUBSEQUENTLY THA STATE GOVT DECLARED THE LEASE HAS STOOD LAPSED w e f.27.02.2011 VIDE LETTER DATED 21.12.2015.
1d	Balance area to be explored to bring Geological axis in 1 or 2	WHOLE LEASE AREA TO BE EXPLORED BY DRILLING 22 BH AND 3 TRIAL PITS DURING 2011-12 TO 2013-14	NIL	NO WORK SINCE 28.02.2009

1e	Balance reserve as on 01/04/20	RESERVE ESTIMATED AS PER SCHEME OF MINING APPROVED ON 18.08.2011 WAS AS FOLLOWS: 111: 131859 MT, 121: 28255 MT, 122: 28255 MT, 333: 24872 MT	NIL	MINING OPERATION HAS BEEN DISCONTINUED SINCE 28.02.2009.
1f	General remarks of inspecting officers on geology, exploration etc	22 BH TO BE DRILLED AND 3 TRIAL PITS DURING 2011- 12 TO 2013-14 AS PER APPROVED S O M	NO BH HAS BEEN DRILLED IN THE LEASE RESERVE HAS BEEN ESTIMATED BASED ON THE TRIAL PITS MADE DURING THE PROSPECTING OPERATIONS.	MINING OPERATIONS HAS BEEN DISCONTINUED SINCE 28.02.2009 ANDE SUBSEQUENTLY THE STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f. 27.02.2011 VIDE LETTER DATED 22.12.2015.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	TWO QUARRIES, QUARRY -1 AND QUARRY-2. QUARRY -1 NEAR NORTHERN BOUNDARY OF THE LEASE , NOT OPERATING QUARRY -2 EXTENSION TO THE QUARRY-1 TOWARDS EASTERN SIDE PROPOSE TO BE OPERATED	NIL NO MINING OPERATION SINCE 28.02.2009	THE STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f 27.02.2011 VIDE LETTER DATED 21.12.2015.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	OUT OF TWO QUARRY, EXISTING QUARRY-2 PROPOSE TO BE DEVELOPED DURING 2011-12 TO 2015-16 AS PER S O M APPROVED ON 18.08.2011.	NIL NO MINING OPERATION SINCE 28.02.2009.	STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f.27.02.2011 VIDE LETTER DATED 21.12.2015.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	ONE i.e QUARRY - 2	NIL	
			MINING OPERATION HAS BEEN DISCONTINUED SINCE 28.02.2009 DUE TO WANT OF STATUTORY CLEARANCES.	
3b	Quantity of ROM mineral production proposed	AS PER SCHEME OF MINING APPROVED ON 18.08.2011 FOR THE PERIOD 2011-12 TO 2015-16 , THE PRODUCTION PROPOSAL WAS AS FOLLOWS: 2011-12: 14994 MT, 2012-13: 14817 MT, 2013-14: 14641 MT, 2014-15: 14923 MT, 2015-16: 1497 MT	NO MINING OPERATION SINCE 28.02.2009	

3o	Total area put in use under different heads at the end of year	ALREADY AREA PUT IN MINING : 0.598 HA, OB DUMP: 0.1525 HA, MINERAL STORAGE ; 0.02 HA, OCCUPIED BY ROAD: 0.01 HA, = 0.7805 HA PROPOSED LAND DEGRADATION AT THE END OF SCHEME PERIOD: MINING :1.266 HA, DUMP: 0.42 HA, MINERAL STORAGE: 0.05 HA, ROAD 0.01 HA = 2.806 HA	NIL MINING OPERATION HAS BEEN DISCONTINUED SINCE 28.02.2009.	
3q	General remarks of inspecting officers on method of mining etc.	THE ORE OCCURS AT VERY SHALLOW DEPTH AND ROCKS ARE MOSTLY WEATHERED AND SOFT, HARD IN PATCHES ONLY. METHOD OF MINING PROPOSED TO MANUAL WITH HEIGHT AND WIDTH 1.5 M. MINING MACHINERY / EQUIPMENTS LIKE CROWBAR, PICKAXE, SPADE, CHIESEL, HAND SHOVEL ETC PROPOSED TO BE USED FOR MINING.	NIL	MINING OPERATION HAS BEEN DISCONTINUED SINCE 28.02.2009 DUE TO STATUTORY CLEARANCES AND SUBSEQUENTLY THE STATE GOVT DECLARED THE LEASE HAS STOOD LAPSED w e f 27.02.2011 VIDE LETTER DATED 21.12.2015.

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)	SEPARATE DUMPING OF TOP SOIL AND OB PROPOSED.	NIL	MINING OPERATION HAS BEEN DISCONTINUED SINCE 28.02.2009
4b	Location of topsoil, OB and mineral reject dumps	LOCATION OF TOP SOIL DUMP : NEAR QUARRY NO.2 LOCATION OF OB DUMP NO.2: NORTHERN SIDE OF QUARRY NO.1.	NIL NO MINING OPERATION SINCE 28.02.2009.	
4c	Number of dumps within lease area and outside of lease area	2 DUMPS WITH IN LEASE AREA AND NO DUMP OUT SIDE LEASE AREA.	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	BEYOND ULTIMATE PIT LIMIT	NO WORK, MINING OPERATION HAS BEEN DISCONTINUED SINCE 28.02.2009.	
4k	Specific comments of inspecting officer on waste dump management	OB AND WASTE GENERATED FROM QUARRY -2 PROPOSED TO BE DUMPED ON DUMP-2. DUMP -2 HAS ALREADY OCCUPIED 600 SQ. M AREA WITH 3 M HEIGHT. RETAINING WALL AND GARLAND DRAIN PROPOSE TO BE CONSTRUCTED AND MAINTAINED ALL AROUND THE DUMPS.	NIL	MINING OPERATION HAS BEEN DISCONTINUED SINCE 28.02.2009 DUE TO WANT OF STATUTORY CLEARANCES.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	NO BACKFILLING PROPOSAL AS THE ORE HAS NOT BEEN EXHAUSTED FROM THE QUARRY.	NO MINING OPERATION SINCE 28.02.2009.
5d	Total area fully reclaimed and rehabilitated	NO PROPOSAL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NO PROPOSAL ON BACKFILLING AND RECLAMATION.	NIL NO MINING OPERATION SINCE 28.02.2011.

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 MINING OPERATION SINCE 28.02.2011.	STATE GOVT DECLARED THE LEASE HAS LAPSED w e f 27.02.2011 VIDE LETTER DATED 21.12.2015.
6e	Cumulative no .of plants	DURING 2011-12 TO 2015-16 , NUMBER OF SAPLINGS PROPOSED TO BE PLANTED : 2750 NOS OVER AN AREA 1.1 HA	NIL NO MINING OPERATION SINCE 28.02.2009.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		PROPOSALS LIKE AFFORESTATION, CONSTRUCTION OF RETAINING WALL, GARLAND DRAIN ETC WERE NOT CARRIED OUT / COMPLIED AS THE MINING OPERATION WAS DISCONTINUED SINCE 28.02.2009.	STATE GOVT DECLARED THE LEASE HAS STOOD LAPSED w e f 27.02.2011 VIDE LETTER DATED 21.12.2015.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	2011-12: 14994 MT, 2012-13: 14817 MT, 2013-14: 14641 MT, 2014-15: 14923 MT, 2015-16: 14976 MT AS PER S O M APPROVED ON 18.08.2011	NIL	MINING OPERATION HAS BEEN DISCONTINUED SINCE 28.02.2009 DUE TO WANT OF STATUTORY CLEARANCES.
7d	Any beneficiation process at mines .	NO BENEFICIATION PROCESS AT MINE	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	THERE IS NO SUB-GRADE GENERATION IN THE MINE. CRUDE GRAPHITE FROM 3% FC ONWARDS 5% FC ARE ALSO BLENDING WITH HIGH GRADE 90 TO 95% FC WHILE PROCESSING AT BELPARA BENEFICIATION PLANT.	NIL NO MINING OPERATION SINCE 28.02.2009	STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f 27.02.2011 VIDE LETTER DATED 21.12.2015.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	TOP SOIL PROPOSED TO BE GENERATED STACKED SEPARATELY NEAR QUARRY -2 AND WILL BE UTILISED IN FUTURE FOR PLANTATION WORK.	NIL NO MINING OPERATION SINCE 28.02.2009.	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	MINING LEASE AREA IS PLAIN TOPOGRAPHY LAND COVERED WITH AGRICULTURAL FIELD WITH SOME VEGETATION. ADDITIONAL PLANTATION PROPOSED 2750 NO DURING 2011-12 TO 2015-16.	NIL NO MINING OPERATION SINCE 28.02.2009.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		MINING LEASE AREA IS PLAIN TOPOGRAPHY LAND COVERED WITH AGRICULTURAL FIELD WITH SOME VEGETATION. AESTHETIC BEAUTY IN AND AROUND THE MINES AREA HAS BEEN MAINTAINED.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	NOT SUBMITTED	MINING OPERATION HAS BEEN DISCONTINUED SINCE 28.02.2009 DUE TO WANT OF STATUTORY CLEARANCES.	STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f.27.02.2011 VIDE LETTER DATED 21.12.2015.

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