INDIAN BUREAU OF MINES
MINERALS DEVELOPMEMT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/BXT/SNG/MCDR-5/BBS **Mine code : 30ORI13005**

(i) Name of the Inspecting Officer and ID No. : **M007) SHRI HARKESH MEENA**

(ii) Designation : Regional Controller Mines

(iii) Accompaning mine Official with Designation : SHRI T C SEI, MINES AGENT, SHRI C K RATH, MINES MANAG

(iv) Date of Inspection : 10/07/2017

(v) Prev.inspection date : 26/02/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **K.J.S.T. JALDHI**

(b) Registration NO. : **IBM/135/2011**

(c) Category : A Fully Mechanised

(d) Type of Working : Opencast

(e) Postal address

State : ORISSA
District : SUNDARGARH
Village : JALDHI
Taluka : BONAI
Post office : KOIRA
Pin Code : 770048
FAX No. : 06767275362
E-mail : snmbbl@gmail.com
Phone : 06767275362

(f) Police Station : KOIRA

(g) First opening date : 20/01/1987

(h) Weekly day of rest : SAT

2. Address for correspondance : KJST(JALDIHI) BXT & IRON MINE, M/S P.MOHANTY
P.O.KOIRA, DIST:SUNDERGARH
ORISSA

3. (a) Lease Number : ORI0151
(b) Lease area : 333.06
(c) Period of lease : 20
(d) Date of Expiry : 19/01/2027

4. Mineral worked : BAUXITE Main
IRON ORE Associated

5. Name and Address of the

Lessee : PRABADH MOHANTY
L.H. OF LATE S.N.MOHANTY
MINES OWNER,STATION ROAD
P.B.NO.21, P.O.BARBIL
KEONJHAR ORISSA
Phone:
FAX :

Owner : PROBODH MOHANTY
PROBODH MOHANTY,MINES OWN
AT-STATION ROAD,BARBIL
DIST-KEONJHAR.758035
KEONJHAR ORISSA
Phone:
FAX :

Agent : T C SEI
WEIGH BRIDGE ROAD BARBIL
AT/PO-BARBIL DIST-
KEONJHAR,ODISHA KEONJHAR
ORISSA
Phone: 06767275362
FAX : 06767275362

Mining Engineer
Name : B. Samal,Full Time
Qualification : BE Mining
Appointment/ Termination date : 20/10/2008

Geologist
Name : MANASH RANJAN PARIDA,Full Time
Qualification : M Sc Geology
Appointment/ Termination date : 07/07/2017

Manager
Name : SHRI C K RATH
Qualification :
Appointment/ Termination date : 01/07/2017

6. Date of approval of Mining Plan/Scheme of Mining :

Mining Scheme rule 12 MCDR1988	09/05/2005
Renewal under rule 24 MCR1960	23/08/2006
Modif.of approved Mining Plan	25/06/2009
FMCP under 23C(1)	12/01/2011
Mining Scheme rule 12 MCDR1988	06/04/2011
Mining Scheme rule 12 MCDR1988	11/03/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	37 Nos of boreholes have been proposed during the year 2016-17.	During 2016-17, 37 nos of bore holes have been drilled by lessee.	
1b	Exploration over lease area for geological axis 1 or 2	Proposal for exploration over G1/G2.	161.36 Ha area has been explored under G1 limit of UNFC.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Proposed	Expenditure incurred Rs 68.64 lakhs	
1d	Balance area to be explored to bring Geological axis in 1 or 2		27.163 ha to be explored under G1/G2 limit of exploration as per UNFC.	The potentially mineralized area has been explored under G1 limit of UNFC. The balance 27.163 Ha which is yet to be explored is located in the eastern and western periphery of the lease predominantly having shale exposures and may be devoid of mineralisation. Due to inacessibity in deployment of drill machines, the area could not be proved through drilling.

1e	Balance reserve as on 01/04/20		As per annual return submitted for the period 01.04.2016 to 31.03.2017, the iron ore reserve as on 01.04.2017 is 23600165 tonnes and remaining resources at 364325 tonnes.	The reserves of Iron Ore furnished in the annual return for the year 2016-17 is not matching with the approved scheme of mining. The violation ha sbeen pointed out to the lessee by violation letter dated 26.07.2017.
1f	General remarks of inspecting officers on geology, exploration etc			The potentially mineralized area has been explored in G1 limit of UNFC. A total of 161.36 Ha area has been explored under G1 limit of UNFC which accounts to 86% of the lease area. Remaining 27.163 Ha could not be explored due to inaccessibility to the area located in the eastern and western periphery part of the lease boundary. The Geological Plan submitted alongwith the Geological study report reveals that the lithology of the unexplored area is predominantly shale.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks

2a	Location of development w.r.t.lease area	Iron Ore Quarry Development Planned in 2016-17 between Coordinates: 365S to 385 N & 557W to 155W Bauxite Ore Quarry Development Planned in 2016-17 between Coordinates: 692S to 572S & 1208W to 1148W	Actual Iron Ore Quarry Developed in 2016-17 between Coordinates: 376S to 380 N & 550W to 200W.	There is no production of Bauxite and hence there is no development in Bauxite Quarry.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not Proposed	Separate Benches in OB and Ore maintained. One number of bench in OB.	
2c	Stripping ratio or ore to OB ratio	Stripping Ratio (ROM/Waste) proposed in Iron Ore for 2016-17 was 1:0.43. Stripping Ratio (ROM/Waste) proposed in Bauxite Ore for 2016-17 was 1:0.06	Stripping Ratio in iron ore achived in 2016-17 is 1:0.037.	No development in bauxite quarry.
2d	Quantity of topsoil generation in m3	Proposal for generation of top soil during the period 2016-17 was 28400 cum in Iron Quarry and nil for Bauxite Quarry.	Actual generation of top soil in 2016-17 was 11400 cum.	

2e	Quantity of overburden generation in m3	Likely Waste/IB generation in 2016-17 was 238590 cum in Iron Ore & 16692 cum in Bauxite. Total IB: 255282 cum.	Waste generated in 2016-17 was 23500 cum or 70500 tonnes.	No development in bauxite quarry.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development of iron ore quarry has been done as per proposal in scheme of mining. Separate benches in Ore and OB maintained. Bauxite quarry has not been developed due to no demand of low grade bauxite ore mainly supplied to alumina industry. Scientific method of mining is practised in development of iron ore quarry.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No of quarry proposed for production for Iron Ore: One No of quarry proposed for production for Bauxite Ore: One	No of quarry put for iron ore production is one.	Prefeasibility Study of Bauxite indicate that it will be sold mainly for alumina industries. There is nil production of Bauxite as there is less/no market demand of Low Grade Bauxite Ore.

3b	Quantity of ROM mineral production proposed	Production Proposal for the period 2016-17: Iron Ore - 1950130.00 tonne, Bauxite Ore -50076.00 tonne	Iron ore production acheived during the period 2016-17 is 1896148.81 tonne whereas there is no production of Bauxite.	EC for Iron Ore production of 2.0169 MTPA and 0.13 MTPA for Bauxite.Prefeasibility Study of Bauxite indicate that it will be sold mainly for alumina industries. There is nil production of Bauxite as there is less/no market demand of Low Grade Bauxite Ore.
3c	Recovery of sailable/usable mineral from ROM production	Recovery fo saleable/usable mineral from ROM planned for 2016-17 was 86% in Iron Ore and 83% in Bauxite.	Recovery fo saleable/usable mineral from ROM realised in 2016-17 was 100% in Iron Ore.	The Mineral rejects generated from ROM has been blended with high grade ROM. There is no production for Bauxite.
3d	Quantity of mineral reject generation	Quantity of Mineral Reject generation planned in 2016-17 was 238590 tonne in Iron Ore and 8346 tonne in Bauxite.	Quantity of Mineral Reject generated from iron ore in 2016-17 was nil.	The Mineral reject generated from iron ore quarry has been blended with high grade ROM and there is no production of Bauxite.

3e	Grade of mineral rejects generation and threshold value declared.	Grade of mineral reject in Iron ore : 45% Fe to 55% Fe; Grade of mineral reject in Bauxite : 30% Al2O3 to 34% Al2O3; Threshold value declared for iron ore: 45%Fe; Threshold value declared for Bauxite: 30%Al2O3;	Grade of mineral reject in Iron ore : 45% Fe to 55% Fe; Threshold value declared for iron ore: 45%Fe;	Mineral reject generated from iron ore quarry has been blended with high grade ROM. Since there is no Bauxite ore production, there is no generation of mineral rejects from bauxite. The subgrade or mineral reject stack register along with grade is not maintained properly and not made available during inspection.
3f	Quantity of sub grade mineral generation.		Subgrade Mineral Production in Iron Ore and Bauxite Ore is Nil.	
3g	Grade of sub grade mineral generation		Subgrade Mineral Production in Iron Ore and Bauxite is Nil.	
3h	Manual / Mechanised method adopted for segregating from ROM	Fully Mechanised	Fully Mechanised	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Proposed	Not Applicable	

3j	Provision of drilling and blasting in mineral benches	Yes, open cast mining method with the deployment of machines like 100m dia drill, 1.2 cum capacity excavator, 16 tonne capcity dumper etc. Drilling & Blasting will be performed for loosening of hard and compact strata.	Yes, drilling & blasting is performed for loosening of hard and compact strata as per proposal in the scheme of mining.
3k	Provision of mining machineries in mineral benches	Yes, open cast mining method with the deployment of machines like 100m dia drill, 1.2 cum capacity excavator, 16 tonne capcity dumper etc.	Mining Machinaries area being deployed in mineral benches as per proposal.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	In the yearwise development proposal the bench height of 6.0 m and bench width of 12.0m has been proposed.	The bench height of 6.0 m and bench width of 12.0m is maintained and is suitable for opencast mining method as proposed in scheme of mining.
3m	Total area covered under excavation/pits	Area under excavation at the end of scheme period will be 34.164 Ha	Area covered under current opencast workings as on 31.03.2017 is 27.737 Ha.

3n	Ore to OB ratio for the pit/mine during the year.	Stripping Ratio proposed in Iron Ore is 1:0.43; Stripping Ratio proposed in Bauxite is 1:0.06;	Stripping Ratio achieved in Iron Ore is 1:0.037;	There is no production of Bauxite Ore.
3o	Total area put in use under different heads at the end of year	Total area put in use at the end of scheme period is 64.403 Ha.	Total area put in use as on 31.03.2017 is 54.442 Ha.	
3p	Production of ROM mineral during the last five year period as applicable	Yearwise Production Plan for Iron Ore and Bauxite for last five Years: Year Iron Bxt. 2012-13 1559700 105375 2013-14 1655640 109500 2014-15 1402960 116250 2015-16 2016900 130250 2016-17 1950130 50076	Yearwise Production achieved for Iron Ore and Bauxite in last five Years: Year Iron Ore Bauxite 2012-13 695335.986 40195.650 2013-14 691757.814 12006.522 2014-15 699489.275 0.000 2015-16 1400546.287 0.000 2016-17 1896148.81 0.000	

3q	General remarks of inspecting officers on method of mining etc.	There is one iron ore quarry put for production as per proposal. Production of Bauxite was nil due to less or nil market demand of low grade bauxite. The mineral rejects generated from iron ore quarry has been blended with high grade ROM. Bench height and width has been maintained as per proposal. The Production of iron ore in 2016-17 was 1.896 Million tonne which was within the EC limit of 2.0169 MTPA. Scientific method of mining is practised.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dump of OB has been proposed	OB material has been dumped in designated OB dump.	
4b	Location of topsoil, OB and mineral reject dumps	OB dumping has been proposed in OB dump located between coordinates 390N to 570N, 60W to 164E	Actual OB has been dumped in OB dump between 384N to 424N, 60W to 66E.	

4c	Number of dumps within lease area and outside of lease area	One no of OB dump has been proposed within lease area.	One no of OB dump is present within lease area. There is no dump outside lease area.	One no of OB dump is present within lease area. There is no dump outside lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	OB dump is proposed to be located outside the UPL.	OB dump is located outside the UPL.	
4e	Number of active and alive dumps.	One no of active and alive dump proposed.	One no of active and alive dump is present.	
4f	Number of dead dumps.	Not Proposed	NIL.	
4g	Number of dumps established.	Not Proposed	The OB dump is partly stabilised by coir matting and plantation.	
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall will be constructed around waste dump to retain wash off materials. Garland drain will be developed around waste dump beyond retaining wall to receive run-off water coming out of retaining wall.	Retaining wall and garland drain is present all along the dump as per proposal in the scheme of mining.	
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall proposed around Dump-1 and Mineral reject is of L 440m x B 2m X H 2m.	Retaining wall contructed: L 320m x B 2m x H 2m	Cummulative length of Retaining wall & Garland drain constructed is 1400m.
4j	Number of settling ponds	Proposed: 1 no.	Actual : 1 No	Cummulatively 14 nos. of settling ponds are present.

4k	Specific comments of inspecting officer on waste dump management	There is separate OB dump. The dump is located outside the lease area. It is partly stabilised by coir matting and plantation. There are retaining wall and garland drain all along the dump. There is cummulative 14 nos of settling ponds. Waste dumping has been done as per proposal.

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.	Back filling has been proposed in bauxite mined out quarry	Full extraction of mineral before backfilling.	
5b	Area under backfilling of mined out area	Backfilling has been proposed over 0.223 Ha in bauxite quarry.	Backfilling has been done over 0.225 Ha area in bauxite quarry.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Proposed : 28400 cum of top soil.	Actual: 11400 cum. of top soil.	
5d	Total area fully reclaimed and rehabilitated		0.225 HA in exhausted part of bauxite quarry.	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	Backfilling has been done in the exhausted part of the bauxite quarry as per proposal.

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).		Annual Return on PMCP for the period 2016-17 has been submitted.	
6b	Area available for rehabilitation (ha) .	Not Proposed	Not Applicable	
6c	afforestation done (ha).	0.5 Ha	0.225 Ha	
6d	No. of saplings planted during the year	No of saplings proposed to be planted during the period 2016-17 was 1250 nos.	No of saplings planted during the period 2016-17 within lease area was 8000 nos.	
6e	Cumulative no .of plants		Cumulative nos. of saplings planted is 58000 nos within lease area including safety zone.	
6f	Any other method of rehabilitation	Plantation	Coir matting & Plantation	
6g	Cost incurred on watch and care during the year	Proposal : Rs 25000.00	Actual: Rs.90000.00	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not Proposed	Void backfilled: L-135m x B-102m x D-16m in the exhausted part of bauxite quarry	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Proposed	Not Applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	0.250 Ha	0.225 Ha
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Proposed	Not Applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not Proposed	Not Applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	2.5 Ha	9.778Ha in Safety Zone has been rehabilitated.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	--	11.006
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)	Fortnightly monitoring of ambient air quality, noise and water samples from near by nalas.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Annual Return on PMCP has been submitted. PMCP has been complied as per proposal.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area		Crushing & screening is practised.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines.		Grade wise Production & Dispatch of Lump: 1. Between 58% Fe to below 60% Fe 2. Between 60% Fe to below 62% Fe 3. Between 62% Fe to below 65% Fe Grade wise Production & Dispatch of Fines: 1. Between 55% Fe to below 58% Fe 2. Between 62% Fe to below 65% Fe	
7d	Any beneficiation process at mines .	Not Proposed	Not Applicable	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM Mineral Reject is blended with high grade ROM. There is no mineral reject generation from iron ore quarry. As a result recovery of usable material is 100%.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposal for topsoil generation was 28400 cum	Actual 11550 cum of top soil has been generated.	
8b	Concurrent use or storage of topsoil	Top soil generated during the scheme period will be spread over the waste dump and back filled area concurrently for plantation purpose.	Top soil generated has been used for plantation purpose.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	OB has been planned to dump over Dump No-1 and MR generated during the scheme period will be stacked separately.	Separate dump of OB has been maintained.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	OB material has been proposed for Back Filling	OB material has been utilized for Back Filling	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Not Applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Number of saplings proposed for plantation in 2016-17 was 1250 nos.	Number of saplings planted within lease area is 8000 nos.	
8g	Survival rate	Not Proposed	Survival rate: 80%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling for dust suppression has been proposed.	Water is sprinkled on roads to control airborne dust through static sprinkler and use mobile water tanker.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty of the mine has been maintained.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted Annual and Monthly returns for 2016-17.	Submitted Annual and Monthly returns for 2016-17.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	1. Graduate Mining Engineer: 3 2. Diploma Mining Engineer: 4 3. Geologist: 1	1. Graduate Mining Engineer: 3 2. Diploma Mining Engineer: 4 3. Geologist: 1	As per information furnished in Annual Return for the period 01.04.2016 to 31.03.2017.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Lease area utilisation (in Hectare) as at the end of year 2016-017 is: 1. Area under O/C workings: 27.737 Ha 2. Reclaimed/Rehabilitated: 3.40 Ha 3. Used for Waste Disposal: 5.89 Ha 4. occupied by plant, buildings, residential, welfare buildings & roads: 2.00 Ha 5. Other Purpose (Road, Mineral Storage, Green Belt development ect): 14.015 Ha 6. Work done under PMCP during the year : 1.40 Ha	Lease area utilisation (in Hectare) as at the end of year 2016-017 is: 1. Area under O/C workings: 27.737 Ha 2. Reclaimed/Rehabilitated: 3.40 Ha 3. Used for Waste Disposal: 5.89 Ha 4. occupied by plant, buildings, residential, welfare buildings & roads: 2.00 Ha 5. Other Purpose (Road, Mineral Storage, Green Belt development ect): 14.015 Ha 6. Work done under PMCP during the year : 1.40 Ha
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year 2016-17 within lease area is 8000 Nos. Number of trees planted during the year 2016-17 outside lease area is 3000 Nos.	Number of trees planted during the year 2016-17 within lease area is 8000 Nos. Number of trees planted during the year 2016-17 outside lease area is 3000 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	Closing stock of Iron Ore ROM at Mine head is nil. Closing stock of Bauxite Ore ROM at Mine head is nil. Closing stock of Lump at mine head (in tonne) 1. Between 58% Fe to below 60% Fe: 160012.391 2. Between 60% Fe to below 62% Fe: 48658.865 3. Between 62% Fe to below 65% Fe: 102.576 Closing Stock of Fines at mine head (in tonne) 1. Between 55% Fe to below 58% Fe: 834250.29 2. Between 58% Fe to below 60% Fe: 49756.21 3. Between 62% Fe to below 65% Fe: 530711.703	Closing stock of Iron Ore ROM at Mine head is nil. Closing stock of Bauxite Ore ROM at Mine head is nil. Closing stock of Lump at mine head (in tonne) 1. Between 58% Fe to below 60% Fe: 160012.391 2. Between 60% Fe to below 62% Fe: 48658.865 3. Between 62% Fe to below 65% Fe: 102.576 Closing Stock of Fines at mine head (in tonne) 1. Between 55% Fe to below 58% Fe: 834250.29 2. Between 58% Fe to below 60% Fe: 49756.21 3. Between 62% Fe to below 65% Fe: 530711.703

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine Price of Lump (in Rs per tonne) 1. Between 58% Fe to below 60% Fe: 1232.00 2. Between 60% Fe to below 62% Fe: 1406.00 3. Between 62% Fe to below 65% Fe: 1600.00 Ex-mine Price of Fines (in Rs per tonne) 1. Between 55% Fe to below 58% Fe: 513.00 2. Between 62% Fe to below 65% Fe: 1048.00 Cost of Production: Rs 444.00 per tonne	Ex-mine Price of Lump (in Rs per tonne) 1. Between 58% Fe to below 60% Fe: 1232.00 2. Between 60% Fe to below 62% Fe: 1406.00 3. Between 62% Fe to below 65% Fe: 1600.00 Ex-mine Price of Fines (in Rs per tonne) 1. Between 55% Fe to below 58% Fe: 513.00 2. Between 62% Fe to below 65% Fe: 1048.00 Cost of Production: Rs 444.00 per tonne
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in Rs): 721496	Value of Fixed Assets (in Rs): 721496
9k	Scrutiny of Annual return on mining machineries	Dumper (16 tonne capacity): 15 nos; Backhoe (1.2 cum capacity): 8 nos; Front end loader (1.2 cum): 5 nos; Blasthole drill (100mm): 2 nos; Dozer (180 HP): 1 no., etc	Dumper (16 tonne capacity): 15 nos; Backhoe (1.2 cum capacity): 8 nos; Front end loader (1.2 cum): 5 nos; Blasthole drill (100mm): 2 nos; Dozer (180 HP): 1 no., etc

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
Rule 45(7)(i)	26/07/2017	25/08/2017			
MCDR17 Rule 54(c)	26/07/2017	25/08/2017			

Date :

(**SHRI HARKESH MEENA**)

Indian Bureau of Mines