

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : UP/SONEBHADRA/LST-2

Mine code : 38UPR56004

- (i) Name of the Inspecting : **SQ23**) **SANDEEP KUMAR SINGH**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 04-FEB-20
- (v) Prev.inspection date : 12-FEB-18

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BHALUA (592.827 HA)**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : UTTAR PRADESH
District : SONBHADRA
Village : BHALUA
Taluka : ROBERTSGANJ
Post office : ORBA
Pin Code : 231207
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for : M/S JAIPRAKASH ASSOCIATES LIMITED
correspondance DALLA CEMENT FACTORY, VILL. KOTA, P.O. DALLA,
DISTT. SONEBHADRA (U.P.)
3. (a) Lease Number : UPR0223
(b) Lease area : 670.57
(c) Period of lease : 20
(d) Date of Expiry : 17-MAY-27
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : JAIPRAKASH ASSOCIATES LIMITED
P.O.DALLA, DISTT.
SONEBHADRA (U.P.) 231207
SONBHADRA UTTAR PRADESH
Phone:
FAX :

Owner : JAIPRAKASH ASSOCIATES LIMITED
P.O.DALLA, DISTT.
SONEBHADRA (U.P.) 231207
SONBHADRA UTTAR PRADESH
Phone:
FAX :

6. Date of approval of Mining	:	Renewal under rule 24 MCR1960	29-FEB-08
Plan/Scheme of Mining		Modif.of approved Mining Plan	28-JUN-11
		Mining Scheme rule 12 MCDR1988	25-MAY-12
		MP review under 17(1) MCR 2016	15-MAY-17
		MP modif under 17(3) MCR 2016	07-MAR-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserve as on 01/04/20	111-4 211-22 333-12	111-4 211-22 333-12 IN MILLION TONS.	
1f	General remarks of inspecting officers on geology, exploration etc			THERE ARE NO EXPLORATION PROPOSAL IN REVIEW YEAR.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	704632.9 E, 2705849.8 N	704632.9 E, 2705849.8 N 704769.0 E, 2705838.7 N 704920.4 E, 2705782.5 N 704830.5 E, 2705711.8 N	
		704769.0 E, 2705838.7 N 704920.4 E, 2705782.5 N		
		704830.5 E, 2705711.8 N		

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	yes made	
2c	Stripping ratio or ore to OB ratio	1:0.19	1:0.03	
2d	Quantity of topsoil generation in m3	1500m3	1500m3	
2e	Quantity of overburden generation in m3	43000	11330	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			LESS DEVELOPMENT.VIOLATION ISSUED.pit is developed in benches.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	818868.58	716159.382	plan modified in march 19.
3c	Recovery of sailable/usable mineral from ROM production	90	93.5	
3d	Quantity of mineral reject generation	58000	18128	
3e	Grade of mineral rejects generation and threshold value declared.	CAO<25	CAO<25	Below threshold value.

3f	Quantity of sub grade mineral generation.	NA	NA	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	mechanised , screening	screening	screening is done.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	
3j	Provision of drilling and blasting in mineral benches	YES	BEING DONE	
3k	Provision of mining machineries in mineral benches	YES	DONE, MECHANISED MINING IS DONE	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	7-9 MTR HEIGHT	7-9 HEIGHT	Yes suitable
3m	Total area covered under excavation/pits	15.860	14.80	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.19	1:0.03	

3o	Total area put in use under different heads at the end of year	(ii) Covered under current (O/C) Workings - 15.860 (iii) Reclaimed/Rehabilitated -NIL (iv) Used for waste disposal 4.360 HEC (v) Occupied by plant, buildings, residential, welfare buildings & roads 3.57-HEC	(ii) Covered under current (O/C) Workings - 14.80 (iii) Reclaimed/Rehabilitated -NIL (iv) Used for waste disposal 2.959 HEC (v) Occupied by plant, buildings, residential, welfare buildings & roads 3.330-HEC
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3p	Production of ROM mineral during the last five year period as applicable	18-19- 818868.58 tons	18-19 -716159.382 tons
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3q	General remarks of inspecting officers on method of mining etc.	pit is well developed into benches.it shares common boudary with other lease.drilling blasting is done.ore is removed by mechanised means.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	YES,	YES as per plan	

4b	Location of topsoil, OB and mineral reject dumps	REJECT DUMP-1 NORTH SIDE OF HILL-4 1- 704202.0 E, N 2705828.9 N 2- 704345.3 E, N 2705776.0 N 3- 704338.0 E, N 2705741.1 N 4- 704193.9 E, N 2705767.2 N	REJECT DUMP-1 NORTH SIDE OF HILL-4 1- 704202.0 E, 2705828.9 2- 704345.3 E, 2705776.0 3- 704338.0 E, 2705741.1 4- 704193.9 E, 2705767.2	as planned
		SOIL DUMP-1 NEAR MINES OFFICE HILL-4 1- 704561.7 E, 2706022.3 N 2- 704621.9 E, 2705994.4 N 3- 704594.5 E, 2705939.2 N 4- 704524.2 E, 2705966.2 N	SOIL DUMP-1 NEAR MINES OFFICE HILL-4 1- 704561.7 E, 2706022.3 2- 704621.9 E, 2705994.4 3- 704594.5 E, 2705939.2 4- 704524.2 E, 2705966.2	
4c	Number of dumps within lease area and outside of lease area	02, inside lease	02, inside lease	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	OUTSIDE, some temporary dumps ,planned to be rehandled.	OUTSIDE, as per approved plan	
4e	Number of active and alive dumps.	2	2	
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	2	2	
4h	Whether Retaining wall or garland drain all along dumps are there.	YES	PROVIDED	PROVIDED
4i	Length of Retaining wall or garland drain all along dumps	---	-----	

4j	Number of settling ponds	01	01	PROVIDED
4k	Specific comments of inspecting officer on waste dump management			THE DRAIN ALONG DUMP is not PROVIDED

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.	NA		
5b	Area under backfilling of mined out area	NA		
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA		
5d	Total area fully reclaimed and rehabilitated	NA		
5e	General remarks of inspecting officers on backfilling and reclamation etc.			NO AREA MATURED FOR BACKFILLING

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 .violation given.	

6b	Area available for rehabilitation (ha) .	NO	NO	
6c	afforestation done (ha).	NIL	NIL	
6d	No. of saplings planted during the year	NA	NA	
6e	Cumulative no .of plants	NIL	NIL	
6f	Any other method of rehabilitation	NA		
6g	Cost incurred on watch and care during the year	NIL	NIL	there are no proposals under rehabilitataion for mined out benches,/area.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NO PROPOSAL AT BACKFILLING	NO BACK FILLING	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NO PROPOSAL AT BACKFILLING	NO BACK FILLING	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NO PROPOSAL AT BACKFILLING	NO BACK FILLING	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NO PROPOSAL AT BACKFILLING	NO BACK FILLING	

6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NO PROPOSAL AT BACKFILLING	NO BACK FILLING	no proposal under backfilling as pit has not matured.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	500 nos	500 nos	wasteland plantation
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	0.40 HA	0.5 ha	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	na	na	
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	BEING DONE	AIR/NOISE/WATER BEING DONE
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PLANTATION IS DONE ON WASTE LAND

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM	ROM	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA		
7c	Different grade of mineral sorted out at mines.	NA		
7d	Any beneficiation process at mines .	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Screening is done .

Environment :

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	yes	done	
8b	Concurrent use or storage of topsoil	storage	storage	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	yes	made, top soil and waste, reject	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NO PROPOSAL	not done	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NO PROPOSAL	not done	proposed in future, conceptual
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2.83 hect area B/L HA 0.40 addittional HA	500 PLANTS additional - done on 0.5 hect area.	
8g	Survival rate	68	65	
8h	Water sprinkling on roads to control airborne dust	YES	DONE	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			POLLUTION CONTROL BEING DONE.plantation is seen as green belt on mines area,near office.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	YES	YES	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager Dharmendra Kumar Pandey 8. Mining Engineer in charge Anand Kumar Misra 9. Geologist in charge Atul Gahrana	MINING ENGINEER-ANAND MISRA GEOLOGIST-ATUL GAHRANA	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	AS PER FA TABLE WITHIN LIMIT	WITHIN FA LIMIT
9d	Scrutiny of Annual return on afforestation	500 nos	DONE AS PER PLAN
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	4.2(B) (ii) Mineral Rejects generated with grades (tonnes) a. Quantity 18128	mineral reject, mgo greater than 7%.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NO STOCKS	NO STOCKS
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	CAPTIVE mines ,no sale.COP- 323.34rs	323.34 RS.
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in ?) 510648621,depr eciation- 46792722	given

9k	Scrutiny of Annual return on mining machineries	ROCK DRILL (NONELEC.) 100.000 MM 1 Non Electrical Opencast SHOVEL (HYDRAULIC) 2.100 CUM 3 Non Electrical Opencast TIPPER 12.000 CUM 7 Non Electrical Opencast LOAD HAUL DUMPER 20.000 CUM 3 Non Electrical Opencast DOZER 301.000 HP 1 Non Electrical Opencast WATER TANKER 10000.000 LITRE 1 Non Electrical Opencast OTHERS (NON- ELEC.) 110.000 2 Non Electrical Opencast	LIST GIVEN
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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
MCDR17	Rule 26(2)	13-MAY-20			
MCDR17	Rule 11(1)	13-MAY-20			

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines