

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/STN/LST-301

Mine code : 38MPR35272

- (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 : 27-JAN-20
- (v) Prev.inspection date : 09-FEB-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BELA & DEVMAUDALDAL**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : SATNA
Village : BELA & DEVMAUDALDAL
Taluka : KOTAR
Post office : BELA & DEVMAUDALDAL
Pin Code :
FAX No. : 07662-229218
E-mail : N. A.
Phone : 07662-229212 TO 17
- (f) Police Station : RAMPUR BAGHALAN
- (g) First opening date : 23-DEC-08
- (h) Weekly day of rest :
2. Address for : M/S JAIPRAKASH ASSOCIATES LTD.
correspondance P.O. JAYPEE NAGAR, DIST. REWA (M.P.) 486450
3. (a) Lease Number : MPR2365
(b) Lease area : 355.51
(c) Period of lease : 30
(d) Date of Expiry : 30-DEC-34
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : JAIPRAKASH ASSOCIATES LTD.
P.O. JAYPEE NAGAR, REWA
MADHYA PRADESH
Phone:N. A.
FAX :N. A.

Owner : JAIPRAKASH ASSOCIATES LTD.
P.O. JAYPEE NAGAR, REWA
MADHYA PRADESH
Phone: N. A.
FAX : N. A.

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	25-JUL-03
Plan/Scheme of Mining	:	PMCP under 23B(2) for Existing	29-DEC-05
	:	Modif.of approved Mining Plan	02-MAR-11
	:	Mining Scheme rule 12 MCDR1988	29-APR-13
	:	MP review under 17(1) MCR 2016	15-MAR-18

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NA	NA	
1b	Exploration over lease area for geological axis 1 or 2	NA	NA	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	
1e	Balance reserve as on 01/04/20	AS ON 01.04.2019	111-57.97 MIO TONS.	THERE ARE NO PROPOSALS.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	2723798 N to 2724124 N and 510100E to 510365 E	2723798 N to 2724124 N and 510100E to 510365 E	AS PER PROPOSAL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES	MAINTAINED.	
2c	Stripping ratio or ore to OB ratio	1:3.73	1.267	
2d	Quantity of topsoil generation in m3	43593	14840	
2e	Quantity of overburden generation in m3	112936	37585	DEVELOPMENT IS LESS.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	105000t	104223T	
3b	Quantity of ROM mineral production proposed	YES	YES	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NA	NA	
3g	Grade of sub grade mineral generation	NA	NA	NO SUBGRADE GENERATED
3h	Manual / Mechanised method adopted for segregating from ROM	YES	YES	AT MINE FACES.SOIL ETC
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	
3j	Provision of drilling and blasting in mineral benches	YES	DONE	
3k	Provision of mining machineries in mineral benches	YES	USED TO MINE	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	MECHANISED MINING IS POSSIBLE.	

3m	Total area covered under excavation/pits	10.03 HECT	10.03 HECT	
3n	Ore to OB ratio for the pit/mine during the year.	1:3.73	1:2.67	
3o	Total area put in use under different heads at the end of year	Quarry:- 10.03 Ha Waste Dump- 6.14 Ha Infrastructure :- 0 Ha	Quarry:- 11.010.03 Ha Waste Dump- 2.96 Ha Infrastructure:- 0 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2014-15 510010 2015-16 1002023 2016-17 1005600 2017-18 1019500 2018-19 105000	2014-15 0 2015-16 0 2016-17 0 2017-18 33623 2018-19 104223	
3q	General remarks of inspecting officers on method of mining etc.			DEVELOPMENT IS LESS.MECHANISED MINING IS DONE.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of topsoil, OB & mineral reject is proposed	Separate dumping of topsoil, OB & mineral reject is DONE	
4b	Location of topsoil, OB and mineral reject dumps	NO REJECT.SOIL AND WASTE DUMP.dump location dump location N2723380 to N2723620 and E510040 to E510300	dump location N2723380 to N2723620 and E510300 ,ASPER PLAN.DUMPING IS DONE WITHIN THIS LOCATION FOR SOIL AND OVERBURDEN.	

4c	Number of dumps within lease area and outside of lease area	02, WITHIN LEASE	02, WITHIN LEASE	
4e	Number of active and alive dumps.	02	02	
4f	Number of dead dumps.	0	0	
4g	Number of dumps established.	02	02	
4h	Whether Retaining wall or garland drain all along dumps are there.	, along dump 518 m, size - wxd m=3 x 1.5 Protective bund 422 m, wxh= 3x 2	, along dump 412 m, size - wxd m=3 x 1.5 Protective bund 418 m, wxh= 3x 2	DUMP AREA OCCUPIED IS LESS.
4i	Length of Retaining wall or garland drain all along dumps	, along dump 518 m, size - wxd m=3 x 1.5 Protective bund 422 m, wxh= 3x 2	, along dump 412 m, size - wxd m=3 x 1.5 Protective bund 418 m, wxh= 3x 2	
4j	Number of settling ponds	NP	NA	
4k	Specific comments of inspecting officer on waste dump management			DUMPS ARE MAINTAINED FOR SOIL, OVERBURDEN. STRUCTURES MADE AT FOOT FOR RUN OFF PROTECTION.

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	NOT DONE	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	THERE ARE NO PROPOSAL UNDER BACKFILLING AS ON NOW AS MIT IS NOT MINED OUT.HENCE NO WORK DONE IN BACKFILLING.
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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).			YES SUBMITTED.
6g	Cost incurred on watch and care during the year			THERE ARE NO PROPOSAL OR WORK FOR MINED/WORKED OUT BENCHES IN THIS YEAR OF PLAN. (6B TO 6g)
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.			NO PROPOSALS ON BACKFILLING AS PIT IS NOT MINED OUT OR AREA HAS MATURED. (6G TO 6L)
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation			NO PROPOSAL FOR WASTE LAND REHABILITATION IN THIS YEAR IN LEASE. 6M, N, O
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES PROPOSAL TO MONITOR AIR, WATER ,NOISE.	BEING DONE.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			NO PROPOSALS YET .NEW MINING.

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.	NP	NA	
7c	Different grade of mineral sorted out at mines.	NP	NA	
7d	Any beneficiation process at mines .	NP	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM MINERAL DISPATCHED FROM MINES.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	YES	YES.	
8b	Concurrent use or storage of topsoil	STORAGE	STORAGE	REFEREED AS SOIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	YES SEPERATE DUMPS ARE PLANNED.	THEY ARE MAINTAINED.	IN FOIRST TWO YEARS STORAGE AND THEN BACKFILLING IS PLANNED.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	YES PLANNED.AFTER TWO YEARS OF THIS 5 YEAR PLAN ATARTING 18-19	NOT IN THIS YEAR.	IN FUTURE YEARS
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NIL	DONE -50 PLANTS.	
8g	Survival rate	NA	50%	
8h	Water sprinkling on roads to control airborne dust	YES	BEING DONE	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			IT IS BEGINING OF MINES.SOME PLANTS ARE SEEN IN THE AREA.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		THEY ARE SUBMITTED.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Manager Shri Raju Jain , Mining Engineer in charge Shri Rajiv Ranjan 9, Geologist in charge- Shri S.K Sharma	GIVEN

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(ii) Covered under current (O/C) Workings 11.010 HECT, Used for waste disposal 2.900 HECT	AS PER PLAN.
9d	Scrutiny of Annual return on afforestation	(i) Number of trees planted during the year 100 ,Survival rate in percentage 80.00	GIVEN
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NO REJECT
9f	Scrutiny of Annual return on ROM stock and/or graded ore	O NO STOCKS	NO STOCKS
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	EXMINE- 246.91, cop_246 .91	IT IS CAPTIVE MINE.
9h	Scrutiny of Annual return on fixed assets	604440441- VALUE OF FA AT YEAR END.	
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) 1.100 CUM- 2 NOS ,DUMPER 17.000 TONNE- NOS. 6 ,AIR COMPRESSOR 400.000 CUM/MN -1NOS.	LIST GIVEN.

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 11(1)	08-MAY-20				
MCDR17 Rule 46(a)	08-MAY-20				

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines