INDIAN BUREAU OF MINES MINERALS DEVELOPMENT AND REGULATION DIVISION

MCDR inspection REPORT

Jabalpur regional office

	Mine	file No : MP/STN/LST-3	14	Mine code : 38MPR35274
	(i)	Name of the Inspecting Officer and ID No.	:	SQ23) SANDEEP KUMAR SINGH
	(ii)	Designation	:	Deputy Controller Mines
	(iii)	Accompaning mine Official with Designation	:	
	(iv)	Date of Inspection	:	20-JUL-21
	(v)	Prev.inspection date	:	13-FEB-21
		PAF	r-T	I : GENERAL INFORMATION
1.	(a)	Mine Name	:	BHADANPUR (663 HA)
	(b)	Registration NO.	:	
	(c) (d) (e) (f) (g) (h)	Category Type of Working Postal address State District Village Taluka Post office Pin Code FAX No. E-mail Phone Police Station First opening date Weekly day of rest	: : : : : : : : :	MAIHAR SARLANAGAR 485772 07674-322306,0761-321881 mc_mines@yahoo.com 07601-32043,32067,32068 SARLA NAGAR
2.		ess for espondance	:	MAIHAR CEMENT P.O. SARLA NAGAR, MAIHAR, SANTA(M.P.) 485772
3.	(a) (b) (c) (d)	Lease Number Lease area Period of lease Date of Expiry	: :	MPR0423 296.96 50 31-MAR-30
4.	Mine	ral worked	:	LIMESTONE Main

5.	Name and Address of th	e		
	Lessee :	MAIHAR CE	MENT	
		P.O. SARL	A NAGAR, MAIHAR	
		SATNA MAD	HYA PRADESH	
		Phone:076	01-32043,32067,32068	
		FAX :076	74-322306,0761-321881	
	Owner :	MAIHAR C	EMENT	
		P.O. SARL	A NAGAR, MAIHAR,	
		SATNA MAD	HYA PRADESH	
		Phone: N.	Α.	
		FAX : N.	Α.	
6.	Date of approval of Mi	ning :	Fresh under rule 22 MCR1960	27-DEC-01
	Plan/Scheme of Mining		Modif.of approved Mining Plan	26-MAR-03
			Modif.of approved Mining Plan	12-JUL-06
			Mining Scheme rule 12 MCDR1988	14-JUN-07
			Modif.approved Mining Scheme	19-SEP-11
			Mining Scheme rule 12 MCDR1988	30-MAY-12
			Modif.approved Mining Scheme	
			MP modif under 17(3) MCR 2016	06-MAR-20

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
la	Backlog of previous year	2100 MTR	Nil	Not done
1b	Exploration over lease area for geological axis 1 or 2		Nil	Not done
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Rs. 2500/Mtr.	Rs. 2500/Mtr.	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2		G1- 389.8 ha. G2-176.4ha. G3- 39.06Ha.	As on 01/04/2021
1e	Balance reserve as on 01/04/20		111- 70.0 MT 211- 53 MT 222- 49 MT 333- 64 MT	As on 01/04/21
lf	General remarks of inspecting officers on geology, exploration etc			The Reserves area established. Drilling is Planned but not done.violation is issued for same.(2100 mtr less) Vindhyan Super Group, Rohtas Stage, Semri Series.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	-	E1 & W3	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, Separate benches	Yes	
2c	Stripping ratio or ore to OB ratio	1:.15	1:0.09	Less development .violation given
2d	Quantity of topsoil generation in m3	89,882 M3	1000M3	Less development .violation given
2e	Quantity of overburden generation in m3	2,99,607 M3	97,124 M3	Less development .violation given
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The Development is very less than Planned. violation is pointed out for same.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2	2	
3b	Quantity of ROM mineral production proposed	22.0 Lakh	19.80539 Lakh	
3с	Recovery of sailable/usable mineral from ROM production	Yes	Yes	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	
3f	Quantity of sub grade mineral generation.			

Зg	Grade of sub grade mineral generation	22000 T	18000 T	34-38 Cao
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	
3ј	Provision of drilling and blasting in mineral benches	Yes	Yes	
3k	Provision of mining machineries in mineral benches	Yes	Yes	Cum Back Hoe- 1.2Cum, Tipper 115 mm, Tipper 16.0Cum Water Tanker- 12000Ltr.
31	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Pit E1- 5 Benches Pit W3- 6 Benches	
Зm	Total area covered under excavation/pits	145.19 Ha.	137.58Ha.	
3n	Ore to OB ratio for the pit/mine during the year.			
30	Total area put in use under different heads at the end of year	182.67Ha	173.29На.	

3p Production of 2016-17 ROM mineral 2198702 2016-17 2197450 2017-18 2199105 during the last 2017-18 2018-19 2199739 five year period 2199978 2019-20 2164852 as applicable 2020-21 1980539 2018-19 2199825 2019-20 2199825 2020-21 2199990 3q General remarks Two well developed of inspecting Pits are operated in mines.less officers on method of mining development is etc. done .violation is issued for same.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No storage	No storage	
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	
4e	Number of active and alive dumps.	1	1	Subgrade
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	

4h	Whether Retaining wall or garland drain all along dumps are there.	Bund/drain	Bund/drain	
4i	Length of Retaining wall or garland drain all along dumps	.1MTR.	6400MTR.*2MTR*.1MTR.	
4j	Number of settling ponds	-	-	
4k	Specific comments of inspecting officer on waste dump management			No waste dumps only subgrade mineral dump exists.

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.	Yes	Yes	Being done in barrier near safety zone
5b	Area under backfilling of mined out area	1.5ha.	1.3ha.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	used	used	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling is practiced. The backfilling is done on ultimate benches/barrier.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
ба	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	The report submitted by letter No. MCW/SKS/ Mine21/23 Dated 28/06/2021	
6b	Area available for rehabilitation (ha) .	No proposal for mined out benches	Nil	
6c	afforestation done (ha).	No proposal for mined out benches	nil	
6d	No. of saplings planted during the year	No proposal for mined out benches	nil	
6e	Cumulative no .of plants	No proposal for mined out benches	nil	
6f	Any other method of rehabilitation	No proposal for mined out benches	nil	
6g	Cost incurred on watch and care during the year	No proposal for mined out benches	nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D		137.58 Ha. area	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	1.5 Ha.	1.3 Ha.	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	2000nos.	1000nos	shortfall

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	NA	
61	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed	NA	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	8000No.	8000No.	In green belt. Outside UPL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	1 Ha.	4.0На.	In green belt. Outside UPL
60	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	afforestation	afforestation	
бр	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Yes Reported	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Environment monitoring is done. shortfall in plantation on backfill observed.violation was issued for same.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks

7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM	ROM	Waste Remove
7b	Method of grade- wise mineral sorting i.e. manual or mechanical.	Only sub Grade	Only subgrade removed	
7c	Different grade of mineral sorted out at mines.	Cement	Cement	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Cement Grade LST average lime 42 Cao with MgO upto 4%. Sub grade 34-38% lime is used in blending and stack.

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	Stack & use	Stack & use	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Dumps	Backfilling	Dump is only sub grade

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	being done	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	being done	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	10,000 nos for year	90000Nos.	1000 B/F 8000 Green belt
8g	Survival rate	80%	75%	
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			Plantation in good conidition are seen is seen in mines/around mines.plantataion nos. less on backfill.violation issued

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	monthly return and annual are submitted.		

9b Scrutiny of ME- Amit Info given Annual return Pateriya for information Geologiston Mining Akhlesh Kumar Engineer, Ray Geologist and Manager 9c Scrutiny of Pi- 137.58Ha. Within FA Annual return on Backfilling land use pattern 10.73Ha. for area under Subgrade- 4.55 pits, reclaimed Ha. area, dumps etc. Infrastructure -1.50Ha. 9d Scrutiny of 10000 Nos, 1000 B/F Annual return on 8000 Green belt afforestation 9e Scrutiny of nil Subgrade is generated. Annual return on mineral reject generation (Grade and quantity) 9f Scrutiny of Nil,no stock Nil Annual return on ROM stock and/or graded ore 9g Scrutiny of Ex. Mine Price Captive Not sale Annual return on - 399.78 sale value, Ex. COP- 399.78 Mine price and production cost 9h Scrutiny of Total FA for 38MPR35115 Annual return on three Mines 38MPR35266 fixed assets 212.33 cr. 38MPR35275 Cum Back Hoe- Details given 9k Scrutiny of Annual return on 1.2Cum, mining Tipper 115 mm, machineries Tipper 16.0Cum Water Tanker-12000Ltr.

Details of violations observed during current inspection and compliance position of violation pointed out					
Violation	n observed		Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on Compliance on	
MCDR17 Rule 11(1)	27-AUG-21	26-0CT-21			

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines