

INSPECTION DATASHEET**General**

S.N.	Particulars	Details
1	Name of the Mine	Salaiya Paharhai 4.12 HA
	Date of Inspection:	01.10.2021
	Name of Inspecting Officer	Abhishek Ranjan Gautam, Assistant Mining Engineer
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	1.Forest land- 0 2. Private land- 0.85 3.Revenue land-0.23 4. Others -3.04 Total – 4.12 ha
3	Mine code	38MPR47128
4	IBM Registration Number under rule 45 of MCDR,1988	744
5	Name of the Lease, Address, Phone, email and fax number	Name-Madan Lal Grover Address-Civil Line ,Katni, M.P MOB.NO.-9752488888 EMAIL- Ranjan_grover4@yahoo.com FAX NO. -NA
6	Village	Salaiya Pahrhai
7	Taluka/Mandal	Vijayraghavgarh
8	District	Katni
9	Pin code	483880
10	State	M.P
11	Post Office	Diwan Siding
12	Nearest Police Station	Vijayraghavgarh
13	Nearest Railway Station	Jukehi
14	Date of Grant of Mining Lease	29.06.2009
15	Date of Execution	22.07.2009
16	Date of opening of Mine	-
17	Date of First Renewal, if applicable and its period & expiry	-
18	Date of Second Renewal, if applicable and its period & expiry	-
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	-
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	-
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	-

22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Krishna Murari
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	A R Rehman, BE in Mining
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	- No
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	18.06.2019
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	MP/Katni/LST/ MPLN/MOD-01/2019-20 dated 18.06.2019
27	Mineral(s) granted in lease and approved for Mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Other(OTFM)
30	Captive/Non-Captive	Non-captive

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	The MMP was approved on 18/06/2019, for the period 2019-20 to 2023-24. In which 03 boreholes upto approx 40 m. depth.	Not done as per proposal	The exploration work as proposed was not done for which violation of rule 11(1) pointed out.
1b	Exploration over lease area for Geological axis 1 or 2.	The MMP was approved on 18/06/2019, for the period 2019-20 to 2023-24. In which 03 boreholes upto approx 40 m. depth proposed in the year 2019-20 for exploration over lease area for geological axis 1.	Not done as per proposal	The exploration work as proposed was not done for which violation of rule 11(1) pointed out.
1c	Exploration Agency &	Not given	Exploration	The exploration work

	Expenditure in Lakh Rupees during the year		not done as per proposal.	as proposed was not done for which violation of rule 11(1) pointed out.
1d	Balance area to be explored to bring Geological axis in 1 or 2.	The MMP was approved on 18/06/2019, for the period 2019-20 to 2023-24. In which 03 boreholes upto approx 40 m. depth proposed in the year 2019-20 for exploration over lease area for geological axis 1.	Exploration not done as per proposal.	The exploration work as proposed was not done for which violation of rule 11(1) pointed out.
1e	Balance reserves as on 01.04.2021	762246 TON	762427 TON	
1f	General remarks of Inspecting officer on geology, exploration etc.	The exploration work as proposed was not done for which violation of rule 11(1) pointed out.		

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Development was proposed in quarry/pit 1 located in North western Block towards north & The quarry/pit 2 in NE block advanced towards east south.	Development work done as per proposal.	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Total 4 Benches, Yes, Separate bench for top soil, Over burden & Mineral	Total 4 Benches, Yes, Separate bench for top soil, Over burden & Mineral	
2c	Stripping ratio or ore to OB ratio	1:1.00	1:0.99	
2d	Quantity of topsoil generation in m ³	Top soil - 9720 m ³	Top soil - 9500 m ³	

2e	Quantity of overburden generation in m ³	Over Burden - 10397 m ³	Over Burden - 10200 m ³	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Mine development was carried out as per approved proposal. No Violation has been pointed out under rule 11(1) of MCDR-2017.		

Exploitation

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	Two pit	Two pit	
3b	Quantity of ROM mineral production proposed (2019-20)	The production of 49990 tonnes ROM was proposed from existing pit during 2020-21.	The production of 49856 tonnes of ROM reported during 2020-21.	
3c	Recovery of Salable/usable mineral from ROM production	NIL	NIL	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral reject generation and threshold value declared	Not proposed	Not applicable	
3f	Quantity of sub-grade mineral generation	Not proposed	Not applicable	
3g	Grade of sub-grade mineral generation	Not proposed	Not applicable	
3h	Manual/Mechanized method adopted for segregation from ROM	Not proposed	Not applicable	
3i	Any analysis or	Not proposed	Not applicable	

	beneficiation study proposed & carried out for sub-grade mineral and reject			
3j	Provision of drilling & blasting in mineral benches	Deep Hole drilling & blasting proposed in mineral benches for the year 2020-21. (DIA 32MM& 48 MM DEPTH 1.5 TO 2.9 M)	As per proposal (DIA 32MM& 48 MM DEPTH 1.5 TO 2.9 M)	
3k	Provision of mining machineries in mineral benches	Yes	FRONT END LOADER - 1.20 CUM - 1 Nos DUMPER - 16.000 TONNE - 4 Nos DUMPER -10.000 TONNE -4 Nos WATER TANKER - 5000.000 LITRE - 1 Nos Air Compressor 210.00 Cum/MN- 1 Nos Rock Drill I (Electric) - 48 MM -1 Nos	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed	Yes, Suitable for working	
3m	Total area covered under excavation /pits	1.65 ha	1.62 ha	
3n	Ore to OB ratio for the pit/mine during the year	1:10	1:0.99	
3o	Total area put in use under different heads at the end of year	3.12	2.93	
3p	Production of ROM mineral during last	2016-17 - 49976 Tons	2016-17 - 51725 Tons 2017-18 - 51830 Tons	

	five-years period, as Applicable	2017-18 - 49976 Tons 2018-19 - 49976 Tons 2019-20 - 49947 Tons 2020-21 - 49990 Tons	2018-19 - 49920 Tons 2019-20 - 43000 Tons 2020-21 - 49856 Tons	
3q	General remarks of inspecting officer on method of mining etc	Mining was proposed by open cast method deploying HEMM. During the inspection it was noticed that same process has been adopted.		

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Top Soil - 9720 m3 OB – 10397 m3	Top soil - 9500 m3 OB - 10200 m3	Top soil & OB used in plantation Backfilling
4b	Location of topsoil, OB & mineral reject dumps	N2652870-2652910 E447585-447675	As per Proposed location	Top soil & OB used in plantation Backfilling
4c	Number of Dumps within lease area and outside lease area	One	One	
d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	N2652870-2652910 E447585-447675	As per Proposed location	Top soil & OB used in plantation Backfilling
4e	Number of Active & Alive dumps	One	One	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps established	One	One	
4h	Whether Retaining wall or garland drain all along dumps are there	YES	YES	
4i	Length of Retaining wall or garland drain all along dump	40 METER	40 METER	
4j	Number of settling ponds	Nil	Nil	

4k	Specific comments of inspecting officer on waste dump management	Top soil & OB used in plantation Backfilling
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Solid Waste Management-Backfilling

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	FULLY EXTRACT	0.14 ha	
5b	Area under backfilling of mined out area	Backfilling proposed in mined out area	0.14 ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	The generated top soil during mining operation was proposed to utilised in toping of proposed backfilled & plantation	As per proposal	
5d	Total area fully reclaimed & rehabilitated	0.05	0.05	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling done as per proposal.		

Progressive Mine Closer Plan

S.N.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26(2). Details should be given in the format as given in Annexure-20	Proposed	Not submitted	Violation of rule 26(2) pointed out for PMCP report.
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	0.2 ha	0.05 ha	

	ii) Afforestation done (ha)	0.05 ha	0.05 ha	
	iii) No.of saplings planted during the year	50 nos.	50 nos.	
	iv) Cumulative no. of plants	250 nos.	250 nos.	
	v) Any other specific method of rehabilitation	Not proposed	Not applicable	
	vi) Cost incurred on watch & care during the year	Not given	Not given	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L*B*D) ii) Void filled by waste/tailings iii) Afforestation on the backfilling iv) Rehabilitation by making water reservoir v) Any other specific means	Not proposed	Not applicable	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	Not proposed for the year 2020-21.	Not applicable	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Proposed	AS PER PERMISSABLE LIMIT	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Violation of rule 26(2) pointed out for PMCP report.		

Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM mineral dispatch (Proposal Tons 49990) , Grade wise sorting within lease area not proposed.	Production 49856 Tons Despatch 49696 Tons	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed	Not applicable	
7c	Different grade of mineral sort out at mine	Not proposed	Not applicable	
7d	Any beneficiation process at mines	Not proposed	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No processing of limestone is proposed to be adopted to upgrade the ROM in the lease area. Quality of limestone of the mine is fine.		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Removed separately & utilised for plantation.	Top soil is being removed separately for plantation purpose.	Simultaneously utilising for plantation purpose within ML area.
8b	Concurrent use or storage of topsoil	Both, concurrent use and storage of top soil was proposed for which there is an yearmark place.	Both, concurent use as well as storage of top soil were not observed during inspection. However generated soil is utilised for planation purpose.	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Separate dumping of OB dump.	As per proposal	Overburden used for backfilling as per proposal.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	OB is proposed to be utilized for backfilling purpose.	OB used for backfilling	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Simultaneously backfilling of mined out area is in practice	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Plantation proposal given	Plantation done as per proposal	Plantation is being done over OB Dump & slope of dump backfilled area and along the lease boundary.
8g	Survival rate	80%	77%	
8h	Water sprinkling on roads to control airborne dust	Sprayed the water on mine road during every working	Water is being sprayed through water tanker on mine road in each working time.	

		time.		
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Efforts made by lessee in this regard may be considered satisfactory.		

Compliance of Rule 45

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	The monthly return submitted upto June 2021 & Annual return submitted upto 2020-21.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- A R Rehman, BE in Mining Engineering . Appointment of Geologist has not been Submitted.	Violation for rule 55 has been pointed out.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	As per Annual Return	
9d	Scrutiny of Annual return on afforestation	PMCP report not submitted. As per available records around 50 nos of tree planted during the year.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Not given in AR
9f	Scrutiny of Annual return on ROM stock and/or grade ore	The production of 49990 tonnes was proposed from existing pit during 2020-21.	The production of 49856 tonnes of limestone reported during 2020-21.
9g	Scrutiny of Annual return on sale value, Ex.Mine price & production costs	Ex mine price-Rs 315/-, Sale value Rs 315/- Tone & cost of production given Rs 255.71/- Tone.	

9i	Scrutiny of Annual return on Fixed assets	Nil	
9k	Scrutiny of Annual return on mining Machineries	FRONT END LOADER -1.20 CUM - 1 Nos DUMPER - 16.000 TONNE - 4 Nos DUMPER -10.000 TONNE -4 Nos WATER TANKER - 5000.000 LITRE - 1 Nos Air Compresor 210.00 Cum/MN- 1 Nos Rock Dril I (Electric) - 48 M -1 Nos	

Details of Validations observed during current inspection and compliance position of earlier violation pointed out:-

Rule – 11(1) (a) Exploration was not done against the proposal of 03 nos. of core bore holes in the year 2019-20 at the grid interval 100m to 200m for total depth 130m.

(b) Boundary pillars are not maintained properly as per rule.

Rule 26(2) Annual PMCP report not submitted for the reporting year (2020-21).

Rule 31(4) The plans & sections are not found updated and maintained at mines site office.

Rule 55(1) Mine Geologist has not been appointed.

Date:

Name:

Designation: