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General

S.N.	Particulars	Details
1	Name of the Mine Date of Inspection: Name of Inspecting Officer	Salaiya Paharhai 9.840 Hect 30-05-2024 Shri Abhishek Ranjan Gautam (Assistant Mining Engineer)
2	Total Lease Area (Ha) with breakup of non-forest and forest land	Forest Land – 0.00 Hect Non-Forest Land - 9.840 Hect
3	Mine code	38MPR18066
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/744/2011
5	Name of the Lease, Address, Phone, email and fax number	Madan Lal Grover Address- B.D. Agrawal Ward No 25, Civil Line Katni (M.P.) -483501 Email- ranjan_grover4@yahoo.com Mob No- 97524-88888,
6	Village	Salaiya Paharhai
7	Taluka/Mandal	Vijayraghavgarh
8	District	Katni
9	Pin code	483501
10	State	M.P.
11	Post Office	Deewan Siding
12	Nearest Police Station	Vijayraghavgarh
13	Nearest Railway Station	Jhukehi
14	Date of Grant of Mining Lease	04-05-1982
15	Date of Execution	04-05-1982
16	Date of opening of Mine	04-05-1982
17	Date of First Renewal, if applicable and its period & expiry	04-05-2002 to 03-05-2022 (20 Years)
18	Date of Second Renewal, if applicable and its period & expiry	04-05-2022 to 03-05-2032 (10 year)
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	Shri Madan Lal Grover Address- B.D. Agrawal Ward No 25, Civil Line Katni (M.P.) -483501 Email- ranjan_grover4@yahoo.com Mob No- 97524-88888,
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 Ram Bihari Bagri Address- Satna (M.P.) -483501 Email- ranjan_grover4@yahoo.com Mob No- 87703-70292
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Ram Bihari Bagri Address- Satna (M.P.) -483501 Email- ranjan_grover4@yahoo.com Mob No- 87703-70292
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	MP/Katni/LST/MPLN/MOD-45/18-19 DTED 17-06-2019-
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	
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)	Semi Mechanized
30	Captive/Non-Captive	Non-Captive

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	No Proposal	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposal	Nil	Already explored under G1 level after completion of four boreholes based on proposals against the year.
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	No Proposal	Not applicable as no exploratory work carried out during the year under review.	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	As per proposal there was no balance area for exploration against the year under review.	Not Applicable as there was no balance area for exploration.	
1e	Balance reserves as on 01.04.2024		111 – 551298 122-675346	
1f	General remarks of Inspecting officer on geology, exploration etc.	Already explored under G1 level after completion of four boreholes based on proposals against the year.		

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	North East	North East	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate benches in top soil , OB and in Mineral proposed	Separate benches in top soil , OBV and in Mineral found maintained.	
2c	Stripping ratio or ore to OB ratio	1:0.40	1:0.45	
2d	Quantity of topsoil generation in m ³	1890 CUM	1950 CUM	
2e	Quantity of overburden generation in m ³	6196 CUM	6280 CUM	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Common boundary line permission for the four adjoining leases of the lessee acquired from DGMS expired on 03/05/2022. In approval of mining plan common boundary line permission was taken into account for deciding UPL. As permission is not valid after 03/05/2022 so each lease have to be own UPL with 7.5m barrier zone, as per statute. Violation in this regard have been pointed out through violation of rule11(1)		

Exploitation

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	2	2	
3b	Quantity of ROM mineral production proposed (2023-24)	49955 MT	49900 MT	
3c	Recovery of Salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral reject generation and threshold value declared	NIL	NIL	

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3f	Quantity of sub-grade mineral generation	NIL	NIL	
3g	Grade of sub-grade mineral generation	NIL	NIL	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NIL	NIL	
3j	Provision of drilling & blasting in mineral benches	DIA 32MM & 48 MM DEPTH 1.5 to 2.9 M	DIA 32MM & 48 MM DEPTH 1.5 to 2.9 M	
3k	Provision of mining machineries in mineral benches	L & T PC 200 (1.2 CUM) 210 HP	L & T PC 200 (1.2 CUM) 210 HP	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 mts 6 Mts	3 Mts 6 Mts	
3m	Total area covered under excavation /pits	3.8	3.70	
3n	Ore to OB ratio for the pit/mine during the year	1:0.40	1:0.45	
3o	Total area put in use under different heads at the end of year	9.840	9.840	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	49900	48120
		2020-21	49796	49317.865
		2021-22	49793	49750
		2022-23	49825	49700
		2023-24	49955	49900
3q	General remarks of inspecting officer on method of mining etc	Opencast mechanised method of mining was adopted in the lease area . All operation of mining such as development, winning of ore, loading and transport is being carried out by utilising HEMM.		

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of topsoil & OB proposed	As per proposal soil and Ob generated during mining operation dumped separately. Further certain part of the top soil and OB generated during mining operation simultaneously utilized for backfilling of mined out area	
4b	Location of topsoil, OB & mineral reject dumps	In north and southern portion of the quarry	01 topsoil and 01 OB dump in Southern statutory barrier zone of South Western block of lease area 1 OB dump in northern direction from the quarry 2 in eastern block of the lease area.	
4c	Number of Dumps within lease area and outside lease area	3	3	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL	Within UPL as well ascertain part in	

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			statutory barrier zone	
4e	Number of Active & Alive dumps	3	3	
4f	Number of deed dumps	1	1	
4g	Number of dumps established	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No	100 m garland drain all along dump in quarry	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	100 m garland drain all along dump in quarry 2	
4j	Number of settling ponds	-	-	
4k	Specific comments of inspecting officer on waste dump management	Although simultaneous backfilling is not proposed but after exploitation of mineral simultaneous backfilling were observed.		

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	full extraction of mineral from mined out area proposed before starting backfilling	Upto proposed depth mininmg operation reached and accordingly backfilling of such mined out area strted in Quarry-1 . Alongwith separate dumping of top soil and OB waste are also utilised for backfilling of mined out area.	
5b	Area under backfilling of mined out area	0.010	0.010	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	proposed for making of bund and separate stacking	soil is being used in making of bund and spreading over backfilled area of mined out portion of the quarry for plantation over the backfilled area.	
5d	Total area fully reclaimed & rehabilitated	0.7 ha	0.7 ha	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Although there was no proposal for backfilling of mined out area but Phased restoration, reclamation and rehabilitation of lands affected by mining operations is being carried out by adopting Backfilling of waste/OB.		

Progressive Mine Closer Plan

S.N.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 23E(2). Details should be given in the format as given in Annexure-20	Proposed	Submitted	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	0.7 ha	0.6 ha	
	ii) Afforestation done (ha)	0.10	0.10	
	iii) No.of saplings planted during the year	400	200	
	iv) Cumulative no. of plants		400	
	v) Any other specific method of rehabilitation	Not proposed	Not applicable	
	vi) Cost incurred on watch & care during the year	-	-	
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	As Per Prapossal	As Per Prapossal	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	As Per Prapossal	As Per Prapossal	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Yes	Carried out	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Yearly PMCP report submitted. Simultaneous backfilling is in progress in Quarry no. 1.		

Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Dispatches of ROM mineral proposed.	During the year reportedly 49900 tonne cement grade limestone dispatched to different consignees	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed	Not adopted. Mineral produced from the mine	

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			dispatched to different consignees without any mineral processing.	
7c	Different grade of mineral sort out at mine	Not proposed	Entire mineral produced from the mine is dispatched as a cement grade limestone.	
7d	Any beneficiation process at mines	Not proposed	Not adopted	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No beneficiation process adopted at mines. In fact there is no issue related with mineral conservation. Definitely availability of high grade limestone is there but that is not separable. However due to such high grade limestone separation of intercalated thin bands of shale with limestone band is not required as overall grade of limestone become marketable in cement manufacture or other similar uses.		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Proposed 1890 cum	Record not maintained but reportedly entire topsoil generated during mining operation utilized in topping of backfilled area and in plantation purpose and remaining part dumped in year marked area.	
8b	Concurrent use or storage of topsoil	Proposed both storage as well as in making of bund.	Reportedly soil generated during mining operation is utilized for topping of backfilled area and in making of bund all along statutory barrier zone of south western block of the lease area.	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Separate dumps for overburden waste rock proposed	Reportedly entire OB waste generated during mining operation utilised in backfilling of mied out area. In fact there is no need of external dumping. Now pit is so advanced that entire OB may be utilised for	

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			backfilling of mined out area.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed.	As pit is advanced and voids are created in quarry 1 so preferably OB generated during mining operation utilised in backfilling such voids.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling of mined out area proposed. Restoration of dumps not proposed	backfilling of mined out area adopted. All the old dumps are within mineralised area, These dumps have to be rehndalled for the exploitation of mineral beneath there.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	proposed	as per approved mining plan	
8g	Survival rate	79%	79%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling on roads to control airborne dust were observed.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area is well maintained.		

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Monthly and annual returns are being submitted in time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Name of the Mining Engineer: Shri Ram Bihari Bagri Geologist: Shri Arvind Tamrakar	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings – 3.550 ha Used for waste disposa – 0.900 ha Occupied by plant, buildings, residential, welfare buildings and roads – 0.450 ha Used for any other purpose (specify) Green Belt – 0.200 ha Work done under PMCP – 0.800 ha	
9d	Scrutiny of Annual return on Afforestation	Plantation – 200 nos.	

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	9f	Scrutiny of Annual return on ROM stock and/or grade ore	ROM closing stock – 40.240 tones	
	9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex mine prize – Rs 414.52/- Cost of Production – Rs 293.30/-	
	9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets* Rs – 2075727/-	
	9k	Scrutiny of Annual return on mining Machineries	BACK HOE 1.200 CUM 1 Non Electrical Opencast AIR COMPRESSOR 210.000 CUM/MN 1 Non Electrical Opencast WATER TANKER 5000.000 LITRE 1 Non Electrical Opencast DUMPER 16.000 TONNE 2 Non Electrical Opencast DUMPER 10.000 TONNE 1 Non Electrical Opencast	

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

Rule – 11(1) of MCDR 2017 Dated 21/06/2024

Rule – 31(4) of MCDR 2017 Dated 21/06/2024

Rule – 33 of MCDR 2017 Dated 21/06/2024

Date:

Name: Abhishek Ranjan Gautam

Designation: Assistant Mining Engineer