

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

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/SATNA/LST-357

Mine code : 38MPR35329

- (i) Name of the Inspecting : **SQ05**) **DEEPAK SHARMA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 30-SEP-19
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **ABER 21.794HA.**
- (b) **Registration NO.** :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : SATNA
Village : ABER
Taluka : KOTAR
Post office : ABER
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for : GAIVINATH MINES & MINERALS PVT.(LTD)
correspondance : HIG96,BANK COLONY,SATNA
MP
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : LATERITE Associated
LIMESTONE Main

5. Name and Address of the
Lessee : GAIVINATH MINES & MINERALS PVT.(LTD)
SATNA MP SATNA MADHYA
PRADESH
Phone:
FAX :
6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	in the reporting year 2018-19 no exploration proposed	no exploration work carried out during the reporting year 2018-19	
1b	Exploration over lease area for geological axis 1 or 2	ML area explored upto G2 level	ML area is explored upto G2 level, 21.794 hect	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	not mentioned	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	21.794 hect area explored upto G2 level	21.794 hect needs to explored upto G1 level exploration proposal given for the next three years	
1e	Balance reserve as on 01/04/20	as on 01.04.2015 122-2301210 222-319950	as on 01.04.2019 122-2138910 222-319950	units are in tonnes
1f	General remarks of inspecting officers on geology, exploration etc			ML area belongs to semri group of rocks of vindhyan super group

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development was proposed in the south-eastern part of the ML area	development work was in the south-eastern part of the lease area in the foot hills	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed	separate benches of soil and mineral maintained soil bench 1-1.5 meter, mineral bench 4-6 meter varies due to working face	

2c	Stripping ratio or ore to OB ratio	1:0.30	1:0.50	
2d	Quantity of topsoil generation in m3	No proposal for top soil generation	Nil	
2e	Quantity of overburden generation in m3	26155 cu m	Not recorded by the lessee	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			workign was as per the approved mining plan in the said location south eastern corner of the ML area

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one single pit	single pit proposed	
3b	Quantity of ROM mineral production proposed	145200 tonnes	139600 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	80%	65-75 %	
3d	Quantity of mineral reject generation	Not Proposed	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not Proposed	Nil	
3f	Quantity of sub grade mineral generation.	Not Proposed	Nil	
3g	Grade of sub grade mineral generation	Not Proposed	Nil	

3h	Manual / Mechanised method adopted for segregating from ROM	mechanical	screenrs installed for segragation	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	not propsoed	nil	
3j	Provision of drilling and blasting in mineral benches	proposed	on contrcat basis	
3k	Provision of mining machineries in mineral benches	proposed	HEMM is being used in mineral benches	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	suitable	height and width suitable for opencast mining	
3m	Total area covered under excavation/pits	8.50 hect	6.60 hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.30	1:0.50	
3o	Total area put in use under different heads at the end of year	9.65 hect	7.65 hect	
3p	Production of ROM mineral during the last five year period as applicable	2015-16=21600 2016-17=42900 2017-18=86400 2018-19=145200 2019-20=170800	2015-16=0 2016-17=0 2017-18=27700 2018-19=139600 2019-20=3000	units are in tonnes
3q	General remarks of inspecting officers on method of mining etc.			opencast mining with the use of HEMM is being under process

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	proposed	separate dumping waste located in the ML	
4b	Location of topsoil, OB and mineral reject dumps	waste dump in the southern part of the ML area	in the southern side of the ML area waste dump located near the barrier zone partially	
4c	Number of dumps within lease area and outside of lease area	one waste dump	one waste dump	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside the UPL	outside the UPL	
4e	Number of active and alive dumps.	one active waste dump	one active waset dump	
4f	Number of dead dumps.	not proposed	nil	
4g	Number of dumps established.	not proposed	nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	not proposed	nil	
4i	Length of Retaining wall or garland drain all along dumps	not proposed	nil	
4j	Number of settling ponds	not proposed	nil	

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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).	proposed	not submitted
6b	Area available for rehabilitation (ha) .	Not proposed	nil
6c	afforestation done (ha).	0.50 hect	1.20 hect
6d	No. of saplings planted during the year	150 nos	200-250 nos
6e	Cumulative no .of plants	1500 nos	1300-1500 nos
6f	Any other method of rehabilitation	not proposed	nil

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral grade wise sorting proposed	grade wise sortign is being done before dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical method	screensr installed for the sorting	
7c	Different grade of mineral sorted out at mines.	not proposed	nil	
7d	Any beneficiation process at mines .	not proposed	only screensr installed for sorting	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	proposed	soil is being used in plantation over barrier zone	
8b	Concurrent use or storage of topsoil	proposed	soil is being used in plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	as per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	proposed	as per proposal	
8g	Survival rate	80%	60-75%	
8h	Water sprinkling on roads to control airborne dust	proposed	water tanker used	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			needs improvements

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	submitted	AR submitted 2020-21 MR submitted upto Oct 21	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	furnished	mining engineer amar kumar choudhary	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	furnished	Lease area (surface area) utilisation as at the end of year (hectares) Under forest Outside forest Total (i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.800 0.800 (ii) Covered under current (O/C) Workings 0.000 1.971 1.971 (iii) Reclaimed/Rehabilitated 0.000 0.300 0.300 (iv) Used for waste disposal 0.000 0.150 0.150 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.100 0.100 (vi) Other Purpose (Green belt) 0.000 0.600 0.600 (vii) Work done under
9d	Scrutiny of Annual return on afforestation	furnished	furnished

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity) furnished	Grade-wise production, Despatches, Stocks and Ex-mine prices of Processed ore(LIMESTONE) Grades Opening stock at mine head (in tonne) Production (in tonne) Despatches from mine head (in tonne) Closing stock at mine head (in tonne) Ex-mine price (in . Per Tonne) (a) LD 0.000 0.000 0.000 0.000 0.00 (b) SMS 0.000 0.000 0.000 0.000 0.00 (c) Chemical 0.000 0.000 0.000 0.000 0.00 (d) BF 0.000 0.000 0.000 0.000 0.00 (e) Cement 49314.070 3000.000 48003.340 4310.730 397.00
9f	Scrutiny of Annual return on ROM stock and/or graded ore furnished	Category Opening stock (in tonne) Production (in tonne) Closing stock (in tonne) (a) Open Cast Workings 0.000 3000.000 0.000 (b) Underground Workings 0.000 0.000 0.000 (c) Dump Workings 0.000 0.000 0.000
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost furnished	ex mine price 397.00 inr cost of production 322.74 inr

9h	Scrutiny of Annual return on fixed assets	not furnished	0-inr
9k	Scrutiny of Annual return on mining machineries	furnished	Type of machinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify) Used in opencast/ underground (specify) DUMPER 16.000 TONNE 2 Non Electrical Opencast FRONT END LOADER 0.000 CUM 1 Non Electrical Opencast WATER TANKER 2000.000 LITRE 1 Non Electrical Opencast PUMPS (NON-ELEC.) 0.000 L/MN 1 Non Electrical Opencast

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 45 (5) (k)	10-OCT-19			
MCDR17	Rule 45 (5) (c)	10-OCT-19			
MCDR17	Rule 55 (1) (1)	10-OCT-19			

Date :

(DEEPAK SHARMA)

Indian Bureau of Mines