

INSPECTION REPORT

1.0 GENERAL

S. No	Particulars	Details
1	Name of the Mine	Sutrapada (E) Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	24.738 Ha. No Forest Land in the lease area.
3	Mine code	38GUJ08303
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/5292/2011
5	Name of the lessee, Address, phone, email and fax number	GHCL Limited, AT& Post- Sutrapada, Dist.:- Gir-Somnath, 362275, Gujarat
6	Village	Sutrapada
7	Taluka/Mandal	Sutrapada
8	District	Gir-Somnath
9	Pin code	362275
10	State	Gujarat
11	Post office	Sutrapada
12	Nearest police station	Sutrapada
13	Nearest Railway station	Somnath
14	Date of Grant of Mining Lease	01.01.1998
15	Date of Execution	18.01.1999
16	Date of opening of Mine	18.01.1999
17	Date of first Renewal, if applicable and its period & expiry	No applicable
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Renewal is not due, so not applied.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Nominated Owner:- Raman Chopra, B-38 Industrial Area, Sector-1, Noida-201301,U.P. Date of appointment – 05.05.2012.
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mine Agent:- Manish Kumar, GHCL LTD, Sutrapada-362275,Dist.:- Gir Somnath, 9328849666, manishkumar@ghcl.co.in , Date of appointment- 01.02.2014
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Ashwani kumar, GHCL LTD, Sutrapada-362275 , Dist.:-Gir Somnath, 9099061556, ashwanikumar@ghcl.co.in Date of appointment:- 01/10/2014

23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Ashwani Kumar, B.E(Mining), 20 years, GHCL LTD, Sutrapada-362275 , Dist.:-Gir Somnath, 9099061556, ashwanikumar@ghcl.co.in Date of Appointment:- 01/10/2014
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Date of Approval of mining plan :- 30/03/1998 No specific condition in approval letter.
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Approval date of SOM-17.07.2013 for the period of 2013-14 to 2017-18. No specific condition in approval letter.
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining (Opencast/underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Category -B, Manual
30	Captive/Non Captive	Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

Exploration

SN	Item	Proposals (2016-17)	Actual work	Remarks
1a	Backlog of previous year	No backlog	NA	
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal given for the period.	NA	
1c	Exploration Agency & Expenditure in lakh Rupees during the year.	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	No proposal	NA	
1e	Balance reserves as on .01.08.2017	180904.53 MT Chemical grade		
1f	General remarks of inspecting officer on geology, exploration etc.	The mining lease was granted for captive use & almost available chemical grade limestone is utilized for own plant. Presently lessee has been submitted the FMCP for the aforesaid area due to land constraints/lack of chemical grade L/s.		

2.0 Development

SN	Item	Proposals(2016-17)	Actual work	Remarks
2a	Location of development w.r.t. lease area	No Proposal	NA	

2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No proposal	NA	
2c	Stripping ratio or ore to OB ratio	No OB is present	NA	
2d	Quantity of topsoil generation in m3	Very thin veneer of topsoil Utilized in plantation	Utilized in Plantation.	
2e	Quantity of overburden generation in m3	NO OB generation	NA	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	0The lease area is devoid of overburden; however any topsoil generated is utilized for plantation.		

3.0 Exploitation

SN	Item	Proposals (2016-17)	Actual work	Remarks
3a	Number of pits proposed for production	3Pits, Pit no-3, 4 & 6	Work done in all proposed pits.	
3b	Quantity of ROM mineral production proposed.	33813MT	4502MT	Less production due to local constraint.
3c	Recovery of salable/usable mineral from ROM production.	30094MT	4007MT	
3d	Quantity of mineral reject generation.	2029MT	495MT	
3e	Grade of mineral reject generation and threshold value declared.	Chemical Grade	Chemical Grade	
3f	Quantity of sub-grade mineral generation.	NA	NA	
3g	Grade of sub-grade mineral generation.	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM.	Manual	Manual	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject.	No Proposal	Not required.	
3j	Provision of drilling & blasting in mineral benches.	Proposal for Manual drilling and Blasting	Manual Drilling and blasting.	
3k	Provision of mining machineries in mineral benches.	Tipper/Truck of capacity 10MT	Tipper/Truck of capacity 10MT	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM.	There are no benches in O.B.	There are no benches in O.B.	
3m	Total area covered under excavation/pits.	HA	Current excavation 0.3Ha+ 18.0 Ha & under reclamation	

3n	Ore to OB ratio for the pit/mine during the year.	No OB	No OB	
3o	Total area put in use under different heads at the end of year .	Pit-4.27H Infrastructure-1.08 Green belt-0.57 Reclaimed area: - 00 Ha.	Pit- 0.30 Ha. Infrastructure:- 1.2,Green Belt- 0.6,Reclaimed area:-18.87 Ha, others:- 0.35 Ha.	
3p	Production of ROM mineral during last five-year period, as applicable (in MT)	Ist Yr(13-14)- 33745 IInd Yr(14-15)-33732 IIIrd Yr(15-16)-33786 IVth Yr(16-17)-33813 Vth Yr(17-18)-33750	Ist Yr- 20106 IInd Yr- 26346 IIIrd Yr- 21032 IVth Yr- 4502 Vth Yr- 11255 (till Aug.-17)	Less production due to local constraint.
3q	General remarks of inspecting officer on method of mining etc.	Due to lack of chemical grade limestone & surface right, lessee intended for FMCP & submitted to this office, which is under process.		

4.0 Solid Waste Management-Dumping - NA

SN	Item	Proposals (2016-17)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not proposal	NIL	
4b	Location of topsoil, OB & mineral reject dumps	---do-----	NIL	
4c	Number of dumps within lease area and outside lease area	---do-----	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposal	NIL	
4e	Number of active & alive dumps	---do-----	NIL	
4f	Number of dead dumps	---do-----	NIL	
4g	Number of dumps stabilised	Not proposal	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there	---do-----	NIL	
4i	Length of Retaining wall or garland drain all along dump	Not proposal	NIL	
4j	Number of settling ponds	---do-----	NIL	
4k	Specific comments of inspecting officer	NIL		

5.0 Solid Waste Management-Backfilling -NA

SN	Item	Proposals (2016-17)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling.	No proposal	NA	
5b	Area under backfilling of mined out area.	No proposal	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of	No proposal	NA	

	mined out area (Rule 32).			
5d	Total area fully reclaimed & rehabilitated.	No proposal	About 18Ha	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	NIL		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2016-17)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2).	Plantation-100 Fencing-250m	Plantation-107 Fencing-256m	Violation under provision of Rule 26(2) pointed out.
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	Plantation-100 Fencing-250m	18Ha Plantation-107 Fencing-256m	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	No proposal	Not done.	

6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	(i) Afforestation -100 plants ii) Area rehabilitated - 0.10(ha) iii) Method of rehabilitation - Plantation	Afforestation -100 plants ii) Area rehabilitated - 1.2ha) iii) Method of rehabilitation - Plantation.	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Air, Noise, Water monitoring on Quarterly basis.	Air, Noise , Water monitoring on Quarterly basis.	

6f	General remarks of inspecting officer on PMCP compliance & progressive	
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7.0 Mineral Conservation

SN	Item	Proposals (2016-17)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area.	No Proposal	Not done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No Proposal		
7c	Different grade of mineral sorted out at mines.	No proposal		
7d	Any beneficiation process at mines.	No proposal. Only Mineral Sizing is done at Mines.	Mineral Sizing is done at Mines.	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			

8.0 Environment

SN	Item	Proposals (2016-17)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	Thin layer of topsoil if generated utilized in plantation.	
8b	Concurrent use or storage of topsoil	No Proposal	Thin layer of topsoil if generated utilized in plantation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	No OB/Waste	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	No OB/Waste	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	Done in one pit	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)			
8g	Survival rate	50 to 55%	48%	
8h	Water sprinkling on roads to control airborne dust	Proposal given for water sprinkling on road.	Done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines.	Good aesthetic of agriculture area.		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Online Monthly and Annual returns	Party has not submitted the periodical return online as per provision of Rule 45(5)(b)&(c) of MCDR,2017 & violation pointed out which is under process.	

S. N.	Item	Details GIVEN in A.R. 2016-17)	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mr. Ashwani Kumar BE (Mining) Mr. R.K.Pathak, M.SC. Geology.		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Annual return as per provision of rule 45 of MCDR2017 for the year 2016-17 has not been submitted to IBM	--	
9d	Scrutiny of Annual return on afforestation		--	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)			
9f	Scrutiny of Annual return on ROM stock and/or graded ore		--	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost		--	
9i	Scrutiny of Annual return on fixed assets		--	
9k	Scrutiny of Annual return on mining machineries		----	

10-Details of violations observed during current inspection and compliance position of earlier violation pointed out:-*Party has not submitted the periodical return online as per provision of Rule 45(5)(b)&(c) of MCDR,2017 & under process. Presently lessee has been carried out less production in present plan period due to land constraints & no violation pointed out for less production.*