

MCDR INSPECTION REPORT (Star Rating)

1.0 GENERAL

SN	Particulars	Details
1 (a)	Name of the Mine	JADUA LIMESTONE MINE
1(b)	Name of inspecting officer	Naman Ekka SMG
1(c)	Date of Inspection	03/10/2022
1(d)	Accompanying officer	Shri M.K. Choube, DGM
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Lease Area-1543.0958Ha, Forest Area-Nil Non Forest Area-1543.0958Ha
3	Mine code	38GUJ10005
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/753/2011
5	Name of the lessee, Address, phone, email and fax number	M/S SANGHI INDUSTRIES LTD., Corporate Office:10 th Floor, Kataria Arcade, Opp. S.G.Highway,P.O.-Makaraba ,Ahmedabad-380051 Ph.-7926838000,Fax-+917926838111 ,Email-info@sanghiment.com
6	Village	Jadua
7	Taluka/Mandal	Lakhpat
8	District	Kachchh
9	Pin code	370511
10	State	Gujarat
11	Post office	Sanghipuram
12	Nearest police station	Vayor
13	Nearest Railway station	Bhuj
14	Date of Grant of Mining Lease	14.11.1995
15	Date of Execution	19.03.1996
16	Date of opening of Mine	06.06.2000
17	Date of first Renewal, if applicable and its period & expiry	Date of First renewal on Dated 13.10.2014 and validity up to 18.03.2046 as per sec 8(A) of MMDR Amendment Act 2015.
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	27.08.2014.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr Ravi Sanghi, Date of Appointment-02/11/2015 Email-ravi.sanghi@sanghiment.com, Address-10 th Floor, Kataria Arcade, Opp. S.G.Highway,P.O.-Makaraba, Ahmedabad-380051 ,Ph.-7926838000,Fax-+917926838111
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Pappu Kumar , Date of appointment-19.03.2010, Email-pappu.kumar@sanghiment.com Ph-9909961438
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Mukesh Kumar Choubey Date of Appointment-20.04.2011, Email mukesh.choubey@sanghiment.com
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number, date of appointment in mine	Mr. Chintan Thakar Date of appointment-13.01.2015 Qualification-B.E.(Mining)
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri Avinash Rai, Date of appointment-29.4.2017 Qualification- Msc Geology
25	Date of Approval of Mining Plan /Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining plan was approved vide letter No 682(23)(463)/2006-UDP Dated 14/9/2006
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	682(23)(741)/2010-MCCM(N) Dated 20/9/2011 & 682(23)(741)/2010-MCCM(N)/UDP Dated-19/12/2013 & 682(23)(741)/10/MCCM(N)/UDAI Dated 01/8/2016 for Period of 2016-17 to 2020-21
27	Mineral(s) granted in lease	Limestone
28	Method of Mining(OC/UG)	Opencast
29	Category (Fully Mechanised, Others or Manual)	A-Fully Mechanised
30	Captive/Non Captive	Captive

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

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2013-14-11 core borehole & 271 mtr drilled 2014-15-12 core borehole & 267 mtr drilled 2015-16-13 core borehole & 205.6mtr drilled Total-36 boreholes	743.6Mtr 20 borehole & 455m drilled	
1b	Exploration over lease area for Geological axis 1 or 2.	2016-17-20 borehole & 600 mtr drilled 2017-18-16 borehole & 480 mtr drilled 2018-19-17 borehole & 510 mtr drilled	16 borehole & 450m drilled 04 Borehole & 100M Done & under process.	Up to Sept. 18
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Sanghi Industries Ltd. Kachchh, Gujarat 4.59 Lakh	Sanghi Industries Ltd. Kachchh Gujarat ----	
1d	Balance area to be explored to bring Geological axis in 1 or 2	962.269Ha explored in G1&G2 till date	Remaining area of 580.8268Ha un-explored.	
1e	Balance reserves as on 01.04.2018	Reserves-185.75 & 87.23 million tonne (111,121&122) -As on 01.4.2016. The production depleted in 2016-17 & 17-18. Net available reserves as on 01.4.2018 is 179.66 & 87.23 million tonne- (111,121&122)		
1f	General remarks of inspecting officer on geology, exploration etc.	The lessee is carrying out the exploratory work in proposed in plan period. The lease area is still remain for further exploration.		

2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit-B1, B2, B3 & B5 13410N-14020N & 10444E-11420E, 12640N-13300N & 11254E-12680E, 13327N-14230N & 11640E-12360E & 13925N-14380N & 12082E-12783E & 12462N-12870N, 9135E-9722E as different levels as proposed.	Partly done as proposed due to less production achieved in plan period in lateral & depth wise also.	Partly deviated due to lagging in production.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Not proposed	NIL	No OB/waste generated.
2c	Stripping ratio or ore to OB ratio	1:0.00	1:0.00	
2d	Quantity of topsoil generation in m3	Not proposed	NIL	
2e	Quantity of overburden generation in m3	Not proposed	NIL	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	NIL		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	4Nos.	3Nos.	
3b	Quantity of ROM mineral production proposed	5.00Mt (2017-18) 5.00Mt (2018-19)	2.78Mt 1.715MT	
3c	Recovery of saleable/usable mineral from ROM production	5.00Mt (2017-18) 5.00Mt (2018-19)	2.78Mt 1.715Mt	
3d	Quantity of mineral reject generation	Not proposed Not proposed	NIL NIL	
3e	Grade of mineral reject generation and threshold value declared	Not proposed Not proposed	NIL NIL	
3f	Quantity of sub-grade mineral generation	Not proposed Not proposed	NIL NIL	
3g	Grade of sub-grade mineral generation	Not proposed Not proposed	NIL NIL	

Remarks

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral/reject.	Not Proposed	NIL	
3j	Provision of drilling & blasting in mineral benches	No drilling & blasting proposed	Not done	
3k	Provision of mining machineries in mineral benches	Surface Miner-L&T-KSM304C & SF202M, Loader-L544, Tipper-25T, Core drill, Water Tanker, Pump etc.	Surface Miner-L&T-KSM304C & SF202M, Loader-L544, Tipper-25T, Core drill, Water Tanker, Pump etc.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6m, No OB/Waste & mineral bench as per applicable of surface miner	6m, As per Surface Miner used (Avg-0.2m cut)	No OB zone.
3m	Total area covered under excavation/pits	87.09Ha proposed in present plan period.	Total excavated area about- 241Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.0	1:0.0	
3o	Total area put in use under different heads at the end of year	---	Pit-241Ha Others-31.0Ha Afforestation-8Ha	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18-5Mt 2018-19-5Mt 2019-20-5Mt 2020-21-5Mt 2021-22-5Mt	2017-18-2.78Mt 2018-19-1.715Mt 2019-20-2.01Mt 2020-21-2.44Mt 2021-22-2.82Mt	
3q	General remarks of inspecting officer on method of mining etc.	Method of mining adopted is Opencast with the help of Surface miner, Drilling and blasting is not carried out.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not Proposed	NIL	
4b	Location of topsoil, OB & mineral reject dumps	Not Proposed	NIL	
4c	Number of dumps within lease area and outside lease area	Not Proposed	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed	NIL	
4e	Number of active & alive dumps	Not Proposed	NIL	
4f	Number of dead dumps	Not Proposed	NIL	
4g	Number of dumps stabilised	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 dump	Not Proposed	NIL	
4j	Number of settling ponds	Not Proposed	NIL	
4k	Specific comments of inspecting officer	No OB/Waste, Top soil, mineral rejects/subgrade proposed & generated.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not Proposed	NIL	
5b	Area under backfilling of mined out area	Not Proposed	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	NIL	
5d	Total area fully reclaimed & rehabilitated	Not Proposed	NIL	

5e	General remarks of inspecting officer on backfilling, reclamation etc.	Nil		
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6.0 Progressive Mine Closure Plan		Proposals	Actual work	Remarks
SN	Item	Yes	Submitted under provision of Rule 26(2) of MCDR2017.	
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23 E (2). Details should be given in the format as given.			
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	i) Nil ii) 1.00 iii) 1000 iv) Nil v) Nil vi) 250000	i) Nil ii) 1.0 iii) 1040 iv) 8002 v) Nil vi) --	
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	i) Not Proposed ii) Not Proposed iii) Not Proposed iv) Not Proposed v) Not Proposed	i) Nil ii) Nil iii) Nil iv) Nil v) Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) Not Proposed ii) Not Proposed iii) Not Proposed	i) Nil ii) Nil iii) Nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Air quality monitoring was done as per CCOM's circular 3/92 during mining.	Air quality Monitoring is being regularly carried out half yearly & results are within limit	
6f	General remarks of inspecting officer on PMCP compliance & progressive	NIL		

7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	5.0Mt	2.78Mt	AR
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanised	Mechanised	
7c	Different grade of mineral sorted out at mines	Proposed for stacking separately.	Stacking separately & utilising by proper sizing & sorting	
7d	Any beneficiation process at mines	Not Proposed	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	NIL		

8.0 Environment

SN	Item	Proposals (2017-18)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed Top soil & OB/Waste/Rejects	NIL	
8b	Concurrent use or storage of topsoil	Not Proposed	NIL	

8c	Separate removal of waste rock, rejects and the land
8d	Use of overburden
8e	Phase
8f	rehab

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Proposed	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	Not Proposed	NIL	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	1000 No. & 1Ha	1040 No. & 1Ha, 7936 No. (OML)	
8g	Survival rate	81%	65%	
8h	Water sprinkling on roads to control airborne dust	Regular water sprinkling is done on haul road and loading and unloading point	Regular water sprinkling is done on haul road and loading and unloading point	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	NIL		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS		Remarks
	Status of submission of Online Monthly and Annual returns	M.R. Submitted up to till date -Regular submitted A.R. submitted up to till date-September 2022 (October month)		
S.N	Item	Details GIVEN in A.R.	-	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sh. Chintan Thakur ME- & Ramesh Visvakarma, Geologist-	Sh. Sameer Arora ME- & Ramesh Visvakarma, Geologist-	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit-241.75Ha Others-31.0Ha	Pit-241.75Ha Others-31.0Ha Afforestation-8Ha	
9d	Scrutiny of Annual return on afforestation	1000 No & 1.0Ha	1040 No & 1Ha	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	O/s-81938.50T,ROM-2784697T,Dispatch-2802678.82T, C/s-63956.680T, Ex Mine-136.1Rs/T	O/s-81938.50T,ROM-2784697T,Dispatch-2802678.82T, C/s-63956.680T, Ex Mine-136.1	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex Mine Price/Cost of production-136.1Rs/T	---	
9i	Scrutiny of Annual return on fixed assets	216842860 Rs.	---	
9k	Scrutiny of Annual return on mining machineries	Surface Miner-L&T-KSM304C & SF202M, Loader-L544, Tipper-25T, Core drill, Water Tanker, Pump etc.	Surface Miner-L&T-KSM304C & SF202M, Loader-L544, Tipper-25T, Core drill, Water Tanker, Pump etc.	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- The presently mine was inspected for MCDR/Star Rating examination. Lessee is regular in submission of online periodical return. No significant violation observed presently. Further online Star Rating templates evaluated & under process of final validation.

(Signature)
 (Naman Ekka)
 SMG