

Regional office: Gandhinagar

File no. GUJ/KAIRA/BXT-025

INSPECTION REPORT

Inspecting officer: Dr. N K Mathur, AMG, Gandhinagar

Inspection date: 05.07.2017, Type of Inspection: Mining plan

1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Sorna
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	26.21.96 , Forest area: Nil, Non forest : 26.21.96, S. No. 551(P)
3	Mine code	Not allotted
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/21240/2017
5	Name of the lessee, Address, phone, email and fax number	Sh. Sanjay Kumar Trikamlal Shah Riddhi Minerals, 104, Madhav Complex, Hospital Road, Kutch-37001, E mail: ajaygadhvi@yahoo.com , Mobile no. 9825225377
6	Village	Sorna
7	Taluka/Mandal	Kapadwanj
8	District	Kheda
9	Pincode	387620
10	State	Gujarat
11	Post office	N A
12	Nearest police station	N A
13	Nearest Railway station	Kapadwanj
14	Date of Grant of Mining Lease	01.07.2015
15	Date of Execution	08.10.2015
16	Date of opening of Mine	03.02.2016
17	Date of first Renewal, if applicable and its period & expiry	N A
18	Date of second Renewal, if applicable and its period & expiry	N A
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	N. A
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Not applicable
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment.	Not applicable

22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Not applicable
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23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	
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.	14.08.2017, from 2017-18 to 2019-2020
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 proved for mining	Bauxite
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Semi mechanised
30	Captive/Non Captive	Non 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			
1b	Exploration over lease area for Geological axis 1 or 2.	Three exploratory pit	Three exploratory pit	
1c	Exploration Agency & Expenditure in lakh Rupees during the year.		Mine owner. Rs. 90000/	
1d	Balance area to be explored to bring Geological axis in 1 or 2.		60 % of lease area.	
1e	Balance reserves as on 01.04.2017		1386282 tonne	

1f	General remarks of inspecting officer on geology, exploration etc.	About 60% of lease area yet to be explored.
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2.0 Development

SN	Item	Proposals(2016-17)	Actual work	Remarks
2a	Location of development w.r.t. lease area	-	Section line from DD' to GG'	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Two	One Bench in mineral	
2c	Stripping ratio or ore to OB ratio	NA	NA	
2d	Quantity of topsoil generation in m3	NA	NA	
2e	Quantity of overburden generation in m3	NA	NA	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Five old pit whose dimension is: 91m x 25m, 22 x 24m, 75m x25m, 29m x 8m & 33m x 40m.		

3.0 Exploitation

SN	Item	Proposals (2016-17)	Actual work	Remarks
3a	Number of pits proposed for production	N A	Five old pit whose dimension is: 91m x 25m, 22 x 24m, 75m x25m, 29m x 8m & 33m x 40m.	
3b	Quantity of ROM mineral production proposed	83241 tonnes	47771.3 tonnes	
3c	Recovery of salable/usable mineral from ROM production			
3d	Quantity of mineral reject generation	N A	N A	
3e	Grade of mineral reject generation and threshold value declared	N A	N A	
3f	Quantity of sub-grade mineral generation	N A	N A	
3g	Grade of sub-grade mineral generation	N A	N A	
3h	Manual / Mechanised method adopted for segregating from ROM	Semi-mechanised	Semi-mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not	Not	

3j	Provision of drilling & blasting in mineral benches	Not	Not	
3k	Provision of mining machineries in mineral benches		Yes	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM			
3m	Total area covered under excavation/pits		80 ² m	
3n	Ore to OB ratio for the pit/mine during the year		NA	
3o	Total area put in use under different heads at the end of year	Pit- Waste/reject Others-		
3p	Production of ROM mineral during last five-year period, as applicable	2015-16:40512 2016-17: 83241 Yr- Yr- Yr	45017 47771	
3q	General remarks of inspecting officer on method of mining etc.	Opencast. Mining is to be started.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2016-17)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)		Yes	
4b	Location of topsoil, OB & mineral reject dumps	N A	One dump at section line E-E' between grid lines 100E to 200E. Other dump between pillar A to B & third dump between grid lines 500E & 200S.	
4c	Number of dumps within lease area and outside lease area	N A	Three dump in lease area. No dump outside lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	N A	N A	
4e	Number of active & alive dumps	N A	Three	
4f	Number of dead dumps	N A	Nil	
4g	Number of dumps stabilised	N A	Nil	

4h	Whether Retaining wall or garland drain all along dumps are there	N A	No	
4i	Length of Retaining wall or garland drain all along dump	N A		
4j	Number of settling ponds	N A	N A	
4k	Specific comments of inspecting officer	Mining work is to be started after approval of Review of mining plan.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2016-17)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	N A	N A	
5b	Area under backfilling of mined out area	N A	N A	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	N A	N A	
5d	Total area fully reclaimed & rehabilitated	N A	N A	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	At present Backfilling & reclamation work is not done. This is two year old lease.		

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). Details should be given in the format as given in Annexure-20.		N A	
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)-0.01 iii)10 iv) 20 v) N A	

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	Not applicable	Not applicable	
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6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation		New lease- only two year old. No work yet done.	Mining work is to be started after approval of Review of mining plan.
6e	Compliance of Environmental monitoring (core zone & buffer zone)		New lease- only two year old. No work yet done.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	New lease- only two year old. No work yet done. Violation letter issued.		

7.0 Mineral Conservation

SN	Item	Proposals (2016-17)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No information	Annual return is not received	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical			
7c	Different grade of mineral sorted out at mines			
7d	Any beneficiation process at mines	No information		
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Yet no issue of conservation of mineral.		

8.0 Environment

SN	Item	Proposals (2016-17)	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No information available	Only stack as dump	
8b	Concurrent use or storage of topsoil	No information available	At present no use	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No information available	Only dump of overburden & waste rock	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No information available	At present no restoring of land	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No information available	At present no restoring of land	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	No information available	20plants	
8g	Survival rate	No information available	Survival rate is very less.	
8h	Water sprinkling on roads to control airborne dust	No information available		
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Mining work is to be started after approval of Review of mining plan.		

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 - A.R. submitted up to till date-	Mine code is not allotted. Regarding this letter send to TMIS. At present no return is on line submitted.

S. N.	Item	Details Given in A.R.(2015-16 &2016-17)	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Online Monthly & annual returns is not submitted	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area,			

	dumps etc.			
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:-Violation letter issued to mine owner vide letter no. GUJ/Kheda/BXT-25 dt. 28.08.2017 for violation of rules 26(2), 33, 45(5) (b), (c) & 55(1) (3) of MCDR 2017.

Place Gandhinagarr
Date 12-09-2017

Name: Dr N. K. Mathur
Designation: AMG

Signature