INSPECTION REPORT

1.0 GENERAL

Details Details Details Tayabpur Bauxite Mines (0.8499Ha)		Denticular	D-4-11-
Sh. G. Ram, Sr. ACOM Sh. C. Ram, Sr. ACOM Sh. Erijesh Patel, Sh. Dinesh, Technical Person Rep. Sh. Brijesh Patel, Sh. Dinesh, Technical Person Rep. ML. Area. 0.8499 ha Sh. Brijesh Patel, Sh. Dinesh, Technical Person Rep. ML. Area. 0.8499 ha Sh. Brijesh Patel, Sh. Dinesh, Technical Person Rep. ML. Area. 0.8499 ha Sh. Brijesh Patel, Sh. Dinesh, Technical Person Rep. ML. Area. 0.8499 ha Sh. Brijesh Patel, Sh. Dinesh, Technical Person Rep. ML. Area. 0.8499 ha Sh. Brijesh Patel, Sh. Dinesh, Technical Person Rep. ML. Area. 0.8499 ha Sh. Brijesh Patel, Sh. Dinesh, Technical Person Rep. ML. Area. 0.8499 ha Sh. Brijesh Patel, Sh. Dinesh, Technical Person Rep. ML. Area. 0.8499 ha Sh. Brijesh Patel, Sh. Dinesh, Technical Person Rep. ML. Area. 0.8499 ha Sh. Brijesh Patel, Sh. Dinesh, Technical Person Rep. ML. Area. 0.8499 ha Sh. Brijesh Patel, Sh. Dinesh, Technical Person Rep. ML. Area. 0.8499 ha Sh. Brijesh Patel, Sh. Dinesh, Technical Person Rep. ML. Area. 0.8499 ha Sh. Brijesh Patel, Sh. Dinesh, Technical Person Rep. ML. Area. 0.8499 ha Sh. Brijesh Patel, Sh. Dinesh, Technical Person Rep. ML. Area. 0.8499 ha Sh. Brijesh Patel, Sh. Patel, Sh. Brijesh Patel, Sh. Dinesh, Technical Person Rep. ML. Area. 0.8499 ha Sh. Brijesh Patel, Sh. Patel, Sh. Patel, Sh. Patel, Sh. Brijesh Patel, Sh. Patel,			_ = -15
1(d) Accompanying officer Sh. Brijesh Patel, Sh. Dinesh, Technical Person Rep.			
1(d) Accompanying officer 2 Total Lease Area (Hs) with breakup of Non- forest and forest land 3 Mine code 4 IBM Registration Number under rule 45 of MCDR, 1988 5 Name of the lessee, Address, phone, email and fax number 5 Name of the lessee, Address, phone, email and fax number 6 Village 7 Taluka/Mandal Kaparwani 8 District 8 Pin code 9 Pin code 10 State 10 Post office 11 Post office 12 Nearest Railway station 13 Nearest Railway station 14 Date of Grant of Mining Lease 15 Date of Execution 16 Date of list Renewal, if applicable and its period & expiry 17 Date of submission of renewal application if Mining Operations are continuing under deemed extension 2 Name of the Mine Agent with Address, phone, email, fax number and date of appointment in mine 24 Whether Geologist and Mining Engineer appointed in mines statisty the rule of Approval of Kheining Condition 2 Date of Approval of Scheme of Mining/Modified Scheme of Mining Mining Condition 2 Method of Mining Condition 3 Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine 3 Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine 4 Date of Approval of Scheme of Mining/Modified Scheme of Mining Handwidthird Mining/Modified Scheme of Mining Handwidthird Mining/Modified Scheme of Mining Fingineer approication in lease and proved for mining 4 Method of Mining Conceast, Underground) Category (Fully Mechanised, Others or Manual) Method of Mining/Opencast, Underground) Category (Fully Mechanised, Others or Manual) A-Mechanised A-Mechanised A-Mechanised A-Mechanised A-Mechanised	. ,		·
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10 State Gujarat	8	District	
11 Post office Kaparwanj	9	Pin code	387620
Nearest police station Kaparwanj	10	State	Gujarat
Nearest police station Kaparwanj	11	Post office	
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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 Scheme of Mining/Modified Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any. Mineral(s) granted in lease and proved for mining Method of Mining(Opencast, Underground) Method of Mining(Opencast, Underground) Category (Fully Mechanised, Others or Manual) Scheme of mining was approved vide letter no 682(23)/(332)MCCM(N)/1992/UDP Dated-30.10.1992 Scheme of mining was approved vide letter no 682(23)/MS/523/2009 MCCM/UDP Dated-28.6.2010 for 2010-11 to 2012-13 Bauxite A-Mechanised	24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 &	
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29 Category (Fully Mechanised, Others or Manual) A-Mechanised	27	Mineral(s) granted in lease and proved for	Bauxite
29 Category (Fully Mechanised, Others or Manual) A-Mechanised	28		Opencast Mining
30 Captive/Non Captive Non-Captive		Category (Fully Mechanised, Others or Manual)	
	30	Captive/Non Captive	Non-Captive

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

1.0 Exploration

SN	Item	Proposals (2016-17 & 2017-18)	Actual work	Remarks
1a	Backlog of previous year	Not Proposed	Not done	
1b	Exploration over lease area for Geological axis 1 or 2.	Not Proposed	Not done, Presently lessee has been carried out 04 exploratory trial pits/trenches as earmarked.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not Proposed	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Proposed	Further detail exploration next due scheme period.	
1e	Balance reserves (Million Tonnes) as on 01.04.2018	UNFC (111,121&122) – 0.256824Million Tonne as per last approved Review of mining plan (28.06.2010). Depletion of production achieved of about 33170T & balance reserves is about 0.223654MT		
1f	General remarks of inspecting officer on geology, exploration etc.	The part of lease area is still	remain for further explorat	ion work.

2.0 Development

	Development			,
SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Not Proposed	Single pit worked	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Not Proposed	NIL NIL	
2c	Stripping ratio or ore to OB ratio	Not Proposed	NIL	
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.	Violation under provision of Rule 11(1), 45(5) (b) & 45(5) (c), 27(1), 35(2), 26(2), 55(1) (3) Pointed out for rectification.		

3.0 Exploitation

SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
3a	Number of pits proposed for production	Not Proposed	Single pit, mine worked during the year	
3b	Quantity of ROM mineral production proposed	2016-17=Not Proposed 2017-18=Not Proposed	2016-17=8635T 2017-18=55T	
3c	Recovery of salable/usable mineral from ROM production	2016-17=Not Proposed 2017-18=Not Proposed	2016-17=8635T 2017-18=55T	
3d	Quantity of mineral reject generation	Not Proposed	NIL	
3e	Grade of mineral reject 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	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	NIL	
3 <u>j</u>	Provision of drilling & blasting in mineral benches	Not Proposed	J/H Drilling & Blasting	
3k	Provision of mining machineries in mineral benches	Not Proposed	Excavator & J/H Drilling & Blasting, Tipper, Compressor & water tanker	
31	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not Proposed	3-4M-Irregular	
3m	Total area covered under excavation/pits	Not Proposed	NIL, Total Excavated area-about 0.3102ha	

3n	Ore to OB ratio for the pit/mine during	Not Proposed	Nil		
	the year				
30	Total area put in use under different	Not Proposed		02Ha, Road-0.188Ha,	
	heads at the end of year		Ū	-0.133Ha	
3р	Production of ROM mineral during	Yr-2013-14 – NA	Yr-2013	3-14 – 600T	Violation
	last five-year period, as applicable			1-15 – 8305T	pointed ou
		Yr-2015-16 – NA	Yr-2015	5-16 – 15575T	under rule
		Yr-2016-17- NA	Yr-2016	6-17- 8635T	11(1) of MCDR201
				7-18– 55T	
3q	General remarks of inspecting officer	Violation under provision			5(5) (c), 27(1)
	on method of mining etc.	35(2), 26(2), 55(1) (3) Po	ointed o	ut for rectification.	
	.0 Solid Waste Management-Dumping				
SN	Item	Proposals(2016-17 & 20	17-18)	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)	No Proposal		NA	
4e	Number of active & alive dumps	Not Proposed		NA	
4f	Number of dead dumps	Not Proposed		NA	
4g	Number of dumps stabilised	Not Proposed		NA	
4h	Whether Retaining wall or garland	Not Proposed		NA	
	drain all along dumps are there	Tiot i iopocou		10.	
4i	Length of Retaining wall or garland	Not Proposed		NA	
	drain all along dump				
4j	Number of settling ponds	Not Proposed		NA	
4k	Specific comments of inspecting officer	NIL			
	.0 Solid Waste Management-Backfilling				
SN	Item	Proposals(2016-17 & 20	17-18)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal		NIL	
5b	Area under backfilling of mined out area	No proposal			
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal		NIL	
5d	Total area fully reclaimed & rehabilitated	No proposal			
5e	General remarks of inspecting officer on backfilling, reclamation etc	NIL		•	•
6	.0 Progressive Mine Closure Plan				
SN	Item	Proposals(2016-17 & 20	17-18)	Actual work	Remarks
6a	Whether Annual report on PMCP	Proposed		Not submitted.	Violation
	I see that the second s				

SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly	Proposed	Not submitted.	Violation 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	NA Not Proposed	NIL 25 Nos.	under Rule 26(2) of MCDR, 2017.
	during the year	NA	NIL	

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	NA	NIL
	iv) Rehabilitation by making water reservoir	NA	NIL
	v) Any other specific means	INA	NIL
6d	Compliance of Rehabilitation of waste	NIL	NIL
	land within lease		
	i) Afforestation		
	ii) Area rehabilitated (ha)		
	iii) Method of rehabilitation		
6e	Compliance of Environmental	Not Proposed	Env. Monitoring is
	monitoring (core zone & buffer zone)		being carried out
			periodical.
6f	General remarks of inspecting officer	Violation under provision of Rule	e 11(1), 45(5) (b) & 45(5) (c), 27(1),
	on PMCP compliance & progressive	35(2), 26(2), 55(1) (3) Pointed or	ut for rectification.
7.	.0 Mineral Conservation		

SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2016-17=Not Proposed 2017-18=Not Proposed	2016-17=8635T 2017-18=55T	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not Proposed	Manual	
7c	Different grade of mineral sorted out at mines	Not proposed	Manual	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Violation under provision of Rule 35(2), 26(2), 55(1) (3) Pointed out	11(1), 45(5) (b) & 45 for rectification.	5(5) (c), 27(1),

8.0 Environment

SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	2016-17-Not Proposed 2017-18-Not Proposed	NIL	
8b	Concurrent use or storage of topsoil	Not proposed	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	NIL	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	N.A	NIL	
8g	Survival rate	No proposal	70%	
8h	Water sprinkling on roads to control airborne dust	No proposal	Water sprinkling carried out on the haul road.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Violation under provision of Rule 35(2), 26(2), 55(1) (3) Pointed ou		5(5) (c), 27(1),

9.0 Compliance of Rule 45

Э.	5.0 Compliance of Rule 45					
S.N.	Item	COMMENTS	Remarks			
CN	Status of submission of Online Monthly and Annual returns	M.R. Submitted up to till date – Before 10 th of every month & A.R. submitted up to till date-		Domarka		
S.N.	Item	Details GIVEN in A.R. (2016-17) Observation of I/Officer /Actual reporter	ed in Returns	Remarks		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Violation under provision of Rule 5 out for rectification.	55(1)(3) Pointed			

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NIL	NIL	The lessee/ party has not been
9d	Scrutiny of Annual return on afforestation	NIL		submitted the online monthly/
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL		annual return for the
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL		year 2016- 17 with in
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	NIL		stipulated time & violation pointed out for rectification.
9i	Scrutiny of Annual return on fixed assets	NA		
9k	Scrutiny of Annual return on mining machineries	NIL		

¹⁰⁻ Details of violations observed during current inspection and compliance position of earlier violation pointed out: - Presently mine was inspected for Review of Mining Plan inspection & Violation under provision of Rule 11(1), 45(5) (b) & 45(5) (c), 27(1), 35(2), 26(2), 55(1) (3) observed & Pointed out for rectification. Presently mine is not working. The Review of mining plan for next five year period was approved by this office on 22.5.2018.