MCDR INSPECTION REPORT

General

S.N.	Particulars	Details
1	File No.	CHG/RPR/LST-49/38MPR28017
2	Name of the Mine	Paraswani Limestone Mine
3	Date of Inspection	06/09/2021
4	Name of Inspecting Officer	Shri Rudra N. Mishra (Senior Mining Geologist)
5	Accompanying Mine Official with Designation	 Shri M Senthil (Agent of Mines) Shri Anil Kawale, Mines Manager Shri Vijesh Kushwaha, Geologist
6	Last date of Inspection& Officer	07/01/2021 & Shri R K Das (Sr. ACOM)
7	Total Lease Area (Ha) with breakup of non-forest and forest land	Non- forest - 997.355 hect. Forest Land: Nil
8	Mine code	38MPR28017
9	IBM Registration Number under rule 45 of MCDR,2017	IBM/441/2011
10	Name of the Lease, Address, Phone, email and fax number	UltraTech Cement limited Hirmi Cement Works PO – Hirmi, Taluka- Simga Dist. BalodaBazar- Bhatapara-493195 Phone - 07726281217/18/19/20/21 Fax - 07726-281572
11	Village	Hirmi
12	Taluka/Mandal	Simga
13	District	BalodaBazar- Bhatapara
14	Pin code	493195
15	State	Chhattisgarh
16	Post Office	Hirmi
17	Nearest Police Station	Suhela
18	Nearest Railway Station	Tilda
19	Date of Grant of Mining Lease	15.12.1992
20	Date of Execution	22.02.1993
21	Date of opening of Mine	01.04.1993
22	Date of First Renewal, if applicable and its period & expiry	22.02.2013 for 30 years and valied up to 21.02.2043
23	Date of Second Renewal, if applicable and its period & expiry	Not Applicable.
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable.
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri K.C. Jhanwar M/s. Ultratech Cement Limited.,

		Ahura Centre, B Wing 2 nd Floor, Mahakali Caves Road, Andheri (E) Mumbai-400093
		Email-kailash.jhanwar@adityabirla.com Date of appointment – 18.10.2018
		Mobile- 9702474200
26	Name of the Mine Agent with	Shri M Senthil
	Address, phone, email, fax number	UltraTech Cement Ltd.
	and date of appointment	Hirmi Cement Works, PO – Hirmi,
		Dist. BalodaBazar- Bhatapara
		Mo- 8691046042
		Fax - 07726-281572
		Email: m.senthil@adityabirla.com
		Date of appointment: 15.06.2021
27	Name of the Mine Manager with	Shri Anil D Kawale
	Address, phone, email, fax number	UltraTech cement ltd.
	and date of appointment in mines	Hirmi Cement Works, PO – Hirmi,
		Dist. BalodaBazar- Bhatapara
		09826300229
		Phone - 07726281217/18/19/20/21
		Fax - 07726-281572
		Email: anil.kawale@adityabirla.com
		Date of appointment: 18.05.2019
28	Name of the Mining Engineer,	Shri Anil D Kawale
	Qualification and total experience	UltraTech cement ltd.
	with address, phone, email, fax	Hirmi Cement Works, PO – Hirmi,
	number and date of appointment in	Dist. BalodaBazar- Bhatapara
	the mine	09826300229
		Phone - 07726281217/18/19/20/21
		Fax - 07726-281572
		Email: anil.kawale@adityabirla.com
		Date of appointment: 18.05.2019
29	Whether Geologist and Mining	Yes,
	Engineer appointment in mines	Shri Vijesh Kushwaha, Geologist
	satisfy the rule 55 & carrying out	
	their duties as per rule 54 & 55	
	(MCDR 2017).	
30	Date of Approval of Mine	Date of Approval of Modified Mining Plan
	Plan/Modified Mine Plan with five-	12.08.2015.and valid up to March 2018.
	year period and specific condition in	Date of Approval of modification in Mining Plan
	approval letter, if any.	14.08.2018 and valid up to 31st March 2023.
		Proposal period 2018-19 to 2022-23
31	Date of Approval of Scheme of	Date of Approval of Review of Mining 17.11.2017
	Mining/Modified Scheme of Mining	
	with five- year period and specific	
	condition in approval letter, if any.	
32	Mineral(s) granted in lease and	Limestone
	approved for Mining	
33	Method of Mining (Opencast,	Opencast
1	Underground)	

34	Category (Fully Mechanized, Others	Fully Mechanized
	or Manual)	
35	Captive/Non-Captive	Captive
36	Environmental Clearance	4.2 million tones
	Status of Financial Assurance as per rule 27 of MCDR, 2017	Bank guarantee of Rs 9,21,00,000/-

Exploration

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
1a	Backlog of previous year	40	Nil	Drilling is under
1b	Exploration over lease area for Geological axis 1 or 2.	G1 & G2	G1 & G2 G1 & G2	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Nil	Central Drilling Agency, Nagpur, MS.	was not done.
1d	Balance area to be explored to bring Geological axis in 1 or 2.	NIL	98.63 Ha.	
1e	Balance reserves as on 01.04.21	Under (111): 21 Under (121): 32 Under (211): 77 Under (221): 15 Under (222): 23 Under (332): 10 Under (334): 30		
1f	General remarks of Inspecting officer on geology, exploration etc.	-		tal, thick bedded the of Raipur Group. It slight dip of ral disturbance like wed in the area. It in limestone in most of the the estone is usually ality decreases of the reserve Width/ Thickness teness, Depth- and Bulk density - limestone based on the Limestone and 3) omes under Chandi

Development

S.	Item	Proposals	Actual Work	Remarks
N.		$(20\overline{20}-21)$	(2020-21)	
2a	Location of Development w.r.t.	North pit	North pit	
	lease area	N2383137.6304 to N	N2383137.6304 to	
		2383026.0552	N 2383008.6103	
		E 600774.2948 to E	E 600774.2948 to	
		601672.9333	E 601672.9333	
		& 2382075.5094 to	& 2382075.5094	
		601575.6825	to 601575.6825	
		E601032.1469 to	E601032.1469 to	
		601575.6825	601575.6825	
		286 RL to 242 RL	286 RL to 250 RL	
		N2383271.5915 to N	N2383271.5915 to	
		2382938.0699	N 2382938.0699	
		E 599654.6674 to E	E 599654.6674 to	
		600227.9736	E 600227.9736	
		271-242	271-250	
		South pit		
		N 2381140.0085 to N	South pit	
		2380746.7988	No work done.	
		E 599211.8320 to E	Tio work done.	
		599698.7968		
		284 RL to 265 RL		
2b	Separate benches in topsoil	OB bench- 1 nos.	OB bench- 1 nos.	
	overburden and mineral (Rule 15)	Mineral bench-5 Nos	Mineral bench-5	
	,		Nos.	
2c	Stripping ratio or ore to OB ratio	1: 0.11	1: 0.11	
2d	Quantity of topsoil generation in	21223	13981.50	
	m^3			
2e	Quantity of overburden generation			
	in m ³	471624	463996.6	
2f	General remarks of Inspecting	Development continues		
	officer on development of pit w.r.t	1	1 1 1	
	type of deposit etc.			

Exploitation

S.N	Item	Proposals (2020-21)	Actual Work (2020-21)	Remark s
3a	Number of pits proposed for production	02	02	
3b	Quantity of ROM mineral production proposed (2020-21)	7500000 MT	2865576 MT	
3c	Recovery of Salable/usable mineral from ROM production	7500000 MT	2865576 MT	

3d	Quantity of mineral reject generation	Nil		Nil	
3e	Grade of mineral reject generation	< 34% Ca	O	< 34% CaO	
	and threshold value declared	>4% Mg()	>5% MgO	
3f	Quantity of sub-grade mineral generation	Nil		Nil	
3g	Grade of sub-grade mineral generation	34% to 41	.71%CaO	34% to 41.71%CaO	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechaniz	ed	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for subgrade mineral and reject	Not given	in Proposal	Nil	
3j	Provision of drilling & blasting in mineral benches	Yes		Yes	
3k	Provision of mining machineries in mineral benches	Yes		Yes	
31	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, the h OB bench Ore bench	ı- 2-4.5 m	Top slicing of mix bench with 3.5 mtr height and OB bench- 2-4.5 mt. Ore bench 4-8 mt.	
3m	Total area covered under excavation /pits	201.845 H	ła.	173.087 Ha.	
3n	Ore to OB ratio for the pit/mine during the year	1: 0.11		1: 0.11	
30	Total area put in use under different heads at the end of year	Pit- 201.8 Waste/rej Ha Backfillin Others – 2	ect- 25.346 ag-0	Pit- 173.087 Ha Waste/reject- 22.6868 Ha Backfilling- 0 Others- 20.648	
3p	Production of ROM in Tones	2016-17	4200000T	3467193.00 T	
	mineral during last Five-years	2017-18	4200000T	2821517.00T	
	period, as Applicable	2018-19	4200000T	3538259.00T	
		2019-20	4200000 T	2708457.00T	
		2020-21	7500000 T	2865576.00T	
3q	General remarks of inspecting	Method o	f mining is Op	pen cast mechanised mi	ning with
	officer on method of mining etc.		d dumper com		

Solid Waste Management-Dumping

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Concurrent use of top soil and separate dump for OB & mineral reject has been proposed.	Concurrent use of top soil is being done and separate dumping of OB & reject is being done.	

4b	Location of topsoil, OB & mineral reject dumps	In Pit- temp dump (O.B.) N 2382405.3494 to N 2382220.7141 E 600603.6340 to E 600930.2929 RL: 265 to 250 Bardih Dump N 2381220.3233to N 2380760.5162E 601029.8301to E 601344.7505 RL: 288 to 304	In Pit- temp dump (O.B.) N 2382401.4457 to N 2382241.0662 E 600661.4997 to E 600894.8244 RL: 265 to 250 Bardih Dump N 2382401.4457 to N 2382241.0662 E 600661.4997 to E 600894.8244 RL: 288 to 300	Subgrade material Used concurrently with improvement in plant process and reduced LSF demand.
4c	Number of Dumps within lease area and outside lease area	02 nos. OB within lease area	02 OB within lease area.	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	In Pit- temp dump (O.B.) N 2382405.3494 to N 2382220.7141 E 600603.6340 to E 600930.2929 RL: 265 to 250 Bardih Dump N 2381220.3233to N 2380760.5162E 601029.8301to E 601344.7505 RL: 288 to 304	In Pit- temp dump (O.B.) N 2382401.4457 to N 2382241.0662 E 600661.4997 to E 600894.8244 RL: 265 to 250 Bardih Dump N 2382401.4457 to N 2382241.0662 E 600661.4997 to E 600894.8244 RL: 288 to 300	
4e	Number of Active & Alive	02	02	
4f	dumps Number of deed dumps	NA	NA	
4g	Number of dumps established	01	01	
4h	Whether Retaining wall or garland drain all along dumps are there	Garland drain provided	Garland drain provided	
4i	Length of Retaining wall or garland drain all along dump	NA O1	Retaining wall of 220m. is on progress at Bardih dump. Length of garland drain all along dump is 1168 mtr.	
4j	Number of settling ponds	01	01	

4k	Specific commends of	Waste is being dump at designated place as per approved
	inspecting officer on waste	documents.
	dump management	

Solid Waste Management-Backfilling

S.N.	Item	Proposals (2020- 21)	Actual Work (2020-21)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Area is premature for back filling.	Area is premature for back filling.	
5b	Area under backfilling of mined out area	NIL	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	yes	yes	
5d	Total area fully reclaimed & rehabilitated during the year	NIL	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc.			

Progressive Mine Closer Plan

S.N	Item	Proposals (2020-21)	Actual Work (2020-21)	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	Yes	Yes	
6b	Management of worked/mined out benches	0.00	0.000	
	Area available for rehabilitation (Ha) Afforestation done (ha) No. of saplings planted during the year	0.00 1.936 4840	0.000 2.0 5000	
	Cumulative no. of plants Any other specific method of		210926	
	rehabilitation Cost incurred on watch & care during the year		429843/-	

6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L*B*D) ii) Void filled by waste/tailings iii) Afforestation on the backfilling iv) Rehabilitation by making water reservoir v) Any other specific means Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	Nil Nil NA Concurrent backfilling and plantation on dump.	Nil Nil Concurrent backfilling and plantation on dump.
6e	Compliance of Environment monitoring (core zone & buffer zone)	Yes	Yes
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations		ork is broadly as per proposal. beauty is increased due to dense

Mineral Conservation

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
7a	ROM mineral dispatch or grade wise sorting within	` ′	Nil	No sorting and any other
71	lease area	N D 1	NI'I	beneficiation
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No Proposal	Nil	process adopted. Due to using pet
7c	Different grade of mineral sort out at mine	No Proposal	Nil	coke and imported coal
7d	Any beneficiation process at mines	No Proposal	Nil	low grade of Limestone also consumed.
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No sorting and any other beneficiation process adopted. Due to using pet coke and imported coal low grade of Limestone also consumed. High grade limestone purchased from the nearby area.		

Environment

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	No Proposal	Nil	

8b	Concurrent use or storage of topsoil	No Proposal	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	By Backfilling	By Backfilling	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	As per mining plan.	Being done.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	No Proposal	Total of 210926 nos. plantation in 62.31 hect. area up to March, 2021. 5000 splings within Lease and 550 salings outside lease area.	
8g	Survival rate	No Proposal	88% within Lease and 78% outside lease area.	
8h	Water sprinkling on roads to control airborne dust	Yes	Water sprinkling on roads is being done by 28KL and 8KL tanker to control airborne dust.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Environment protection measures follow as per proposal and aesthetic beauty increased around the mine area.		

Compliance of Rule 45

S.	Item	Comments	Remarks
N.			
9a	Status of submission of monthly and	M.R. Submitted up to-September-	
	Annual returns	2021	
		A.R. submitted up to- 2020-21	
9b	Scrutiny of Annual return for	Yes	
	information on Mining Engineer,		
	Geologist and Manager		
9c	Scrutiny of Annual return on land use	Pit-173.087 ha	
	pattern for area under pits, reclaimed	Reclaimed/Rehabilitated: 0.00 ha,	
	area, dumps etc.	occupied by plant, building,	

		I		
		residential, welfare		
		roads: 20.904 ha.		
		Used for Waste disposal: 19.66 ha,		
		Other purpose: 5.74		
9d	9d Scrutiny of Annual return on Within Lease area: 5000 N			
	afforestation	Survival Rate -88%	,	
		Outside Lease area: 550 Nos		
		Survival Rate -78%),	
9e	Scrutiny of Annual return on mineral	0.0 T	0.0 T	
	reject generation (Grade & Quantity)			
9f	Scrutiny of Annual return on ROM	2865576.00 T pro		
	stock and/or grade ore	Stock: 0.00 T, Clos		
9g	Scrutiny of Annual return on sale	eturn on sale Rs. 242.72per ton ex-mine price and		
	value, Ex. Mine price & production	cost of production: Rs. 242.72.		
	costs			
9i	Scrutiny of Annual return on Fixed	Rs 391837106.00 as per annual		
	assets	return		
9k.	Scrutiny of Annual return on mining	Type of	Capacity of	No. of Unit
Mac	hineries	Machinery	each Unit	
		Dumper	60 MT	6
		Dumper	60 MT	7
		Excavator	6.5 CUM	3
		Excavator	6.5 CUM	1
		Drill	150 mm	1
		Drill	115 mm	1
		Loader	3.0 CUM	1
		Dozer	350 HP	1
		Explosive Van	10 T	1
		Water Tanker	28 KL	1

Details of Violations observed during current inspection: -

Earlier violations pointed out have not been complied and Show cause letter issued on 03/09/2021. Party replied the show cause letter on dated 14/09/20121.

As per the Mining plan approved vide No BLD/LST/MPLN-1160/NGP dated 14/08/2018 to the extent 40 boreholes were proposed to be drilled during the year 2020-21, but these boreholes have not been drilled. But now during the inspection it observed the Lessee has been moblised the drilling rig and manpower to the site. Earlier Lessee were not executed drilling operation due to covid 19. Lessee has been submitted the Form-I (Notice of sinking shafts and Bore holes vide letter no UTCL: HCW: Mine:MSL:082 dated 14th Sept 2021 to this office. Due to Covid 19 and drilling is under progress so the same violation not pointed out.

Star rating of this year validated.

Date: 16/09/2021

Name: Rudra N Mishra Designation: Senior Mining Geologist.