

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1	Name of inspecting office & designation	Shri B.L.Gurjar DCom and Shri Suresh Prasad DCOM COM(CZ)
2	Date of inspection	24.11.2016
3	Name of the Mine	Century Cement Limestone Mine
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non forest land - 237.003 H. Forest land - Nil ----- Total 237.003 H.
5	Minecode	38MPR28001
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/4952/2011
7	Name of the lessee, Address, phone, email and fax number	M/s. Century Textiles and Industries Ltd.
8	Village	Bahesar&Tandwa
8	Taluka/Mandal /District	Raipur
10	State	Chhattisgarh
11	Post office & PIN	Baikunth – 493 116
12	Nearest police station	Neora
13	Nearest Railway station	Tilda
14	Date of Grant of Mining Lease	04.08.1969
15	Date of Execution	13.06.2002
16	Date of opening of Mine	30.11.1971
17	Date of first Renewal, if applicable and its period & expiry	01.09.1989 04.08.1989 to 03.08.1999
18	Date of second Renewal, if applicable and its period & expiry	13.06.2002 04.08.1999 to 03.08.2019
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	29.07.1998
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri D.K.Agrawal M/s. Century Textiles and Industries Ltd., Century Bhawan, Dr. Annie Besent Road, Warli, Mumbai – 400 030 Tel. No. +91 22 24957000 Fax. +91 22 24309491 Email – centextho@centurytext.com Date of appointment – 01.04.2016
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri B P Mishra, Century Cement, PO: Baikunth – 493 116 Distt. Raipur (C.G.) Tel.No. – 07721 261222 Email – bp.mishra@centurycement.com Date of appointment – 01.08.2004

22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri R P S Bhatia Century Cement, PO: Baikunth – 493 116 Distt. Raipur (C.G.) Tel.No. – 07721 261222 Email – rps.bhatia@centurycement.com Date of appointment – 11.10.2006
----	---	---

23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Shirshir Kumar Tamrakar M.Tech Holder of 1 st Class Mines Managers Certificate of competency Century Cement, PO: Baikunth – 493 116 Distt. Raipur (C.G.) Tel.No. – 07721 261222 Email – s.tamrakar@centurycement.com Date of appointment – 11.10.2006 Total experience – 15 years
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.	Mining Plan – 19.10.1988 Modified Mining Plan – 26.07.1990 Renewal of Mining Plan – 17.09.1999 Valid upto – 16.02.2019
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	11.06.2014 (Period 2014-15 to 2018-19)
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Fully mechanised
30	Captive/Non Captive	Captive

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

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees	Nil	Nil	

	during the year			
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserves as on 01.04.2016	-	85.39 Lakh tonne	
1f	General remarks of inspecting officer on geology, exploration etc.	There is no backlog of exploration		

2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	-	-	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	1 Bench for OB 3 Bench for Ore	1 Bench for OB 3 Bench for Ore	
2c	Stripping ratio or ore to OB ratio	1:0.066	1:0.725	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	0.70 Lakh	0.65 Lakh	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development is in order		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	Two	Two	
3b	Quantity of ROM mineral production proposed	13,00,000 T	10,81,809.68	
3c	Recovery of salable/usable mineral from ROM production	13,00,000 T	10,81,809.68	
3d	Quantity of mineral reject generation	1.945 Lakh T.	1.91 Lakh T.	
3e	Grade of mineral reject generation and threshold value declared	<34% CaO >4% MgO	<34% CaO >4% MgO	
3f	Quantity of sub-grade mineral generation	1.50 Lakh T.	1.57 Lakh T.	
3g	Grade of sub-grade mineral generation	34% - 38% CaO%	34% - 38% CaO%	
3h	Manual / Mechanised method adopted for	Mechanised	Mechanised	

	segregating from ROM			
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	
3j	Provision of drilling & blasting in mineral benches	Yes	Drilling by 4 inch dai drill machine	
3k	Provision of mining machineries in mineral benches	Yes	HEMS	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	OB – 0.5-3.0 M ORE- 3-10 M.	OB – 0.5-3.0 M ORE- 3-10 M.	
3m	Total area covered under excavation/pits		111.32 H.	
3n	Ore to OB ratio for the pit/mine during the year	1:0.076	1:0.085	
3o	Total area put in use under different heads at the end of year as on 01.04.2016.	-	Pit : 111.32 Waste/reject : 25.08 Others : 100.603 Total : 237.003	
3p	Production of ROM mineral during last five-year period, as applicable Yr-2011-12 Yr-2012-13 Yr-2013-14 Yr-2014-15 Yr-2015-16	1300000 1200000 1100000 1300000 1300000	1322965.80 1128841.18 1018920.32 1235812.86 1081809.68	
3q	General remarks of inspecting officer on method of mining etc.	Method of mining is by open cast mechanised mining with shovel dumper combination.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Nil	Nil	Nil
4b	Location of topsoil, OB & mineral reject dumps	Nil	Nil	Nil
4c	Number of dumps within lease area and outside lease area	11 (Within ML)	11 (Within ML)	All dumps have been rehabilitated by plantation
4d	Location of dumps w.r.t.	On earmarked	As per plan	

	ultimate pit limit (Rule 16)	sites		
4e	Number of active & alive dumps	No active dump	Concurrent back filling is carried out in worked out area.	
4f	Number of dead dumps	11	11	Nil
4g	Number of dumps stabilised	11	11	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dump	Nil	Garland drain – 7541 mtrs.	
4j	Number of settling ponds	01	01	
4k	Specific comments of inspecting officer	No new dump is created and simultaneous back filling is carried out in worked out area.		

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	-	Before starting backfilling absence of mineral has been proved.	
5b	Area under backfilling of mined out area	1.00	0.62	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	Nil	Nil
5d	Total area fully reclaimed & rehabilitated	-	Reclaimed – 14.53 Rehabilitated –31.184	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No new waste dump is created and simultaneous back filling is carried out in worked out area.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals	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.	-	VL is give for non submission of annual report.	

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	1.00 H 1.00 H 2000 Nos. - -	0.835 H 0.835 H 1670 Nos. 156570 Nos.	
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	1.00 H	0.62 H	

6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	-	Reclaimed – 14.53 Rehabilitated – 31.184 ha sofar	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP proposal are implemented.		

7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Directly fed to crusher.	Nil
7b	Method of grade-wise mineral sorting i.e. manual	Nil	Grade is maintained by	Nil

	or mechanical		operating different benches .	
7c	Different grade of mineral sorted out at mines	Nil	Nil	Nil
7d	Any beneficiation process at mines	Nil	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Grade is maintained by operating different benches of Limestone for better blending .		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Backfilled in worked out area	
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)	-	Total 9.37 Ha. Mined out area has been backfilled out of which 2.81 Ha. Area has been rehabilitated by afforestation	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	At the beginning there was only 2 nos. trees	At present 154020 Tree have been planted	
8g	Survival rate	-	97.10%	
8h	Water sprinkling on roads to control airborne dust		108 Nos. sprinkler along haul road	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	EMP proposals are implemented.
----	---	--------------------------------

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	F-8 Submitted upto– 31.12.2016 H-8Submitted upto – 31.03.2016	

S. N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	given	Furnished.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	111ha covered under OC, 45.714 ha reclaimed /rehabilitated., 80 under afforestation.	Nil	
9d	Scrutiny of Annual return on afforestation	Furnished	1670 nos	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	1,91, 230 tonnes mineral rejects..	given	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Production 1081809 tonnes with zero stocks	given	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Rs 280.75/ tonnes Ex mines price		
9i	Scrutiny of Annual return on fixed assets	Furnished	Nil	
9k	Scrutiny of Annual return on mining machineries	Drill -4 inch dia – 2 nos shovel – 3.9 CUM - 4 nos Fron Loader 4.6 CUM-one Dumper35 tonnes – 10 nos	Nil	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- VL of Rule 23 E (2) was pointed out .

B.L.Gurjar
DCOM & OIC