

MCDR Data Base

Sl.N	PARTICULARS	DETAILS
1	File No.	CHG/RPR/ LST-32
2	Mine Code	38MPR 28001
3	IBM registration number under Rule 45 of MCDR, 2017	IBM/4952/2011
4	Name of the mine	Century Cement Limestone Mine
5	Name & Designation of the inspecting officer	Shri Prem Prakash, Regional Controller of Mines
6	Date of Inspection	20.12.2022
7	Date of Last Inspection & Officer	09.09.2019, Shri B.L. Gurjar, RCOM
8	Accompanying mine official with designation	Shri R P S Bhatia, Manager (Mines)
9	Name of the Mine	Century Cement Limestone Mine
10	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.
11	Name of the lessee, Address, phone, email and fax number	M/s. UltraTech Cement Ltd, Baikunth Cement Works, PO: Baikunth – 493 116, Distt. Raipur (C.G.) Tel.No. – 07721-261222, utcl_bcw.mines@adityabirla.com
12	Village	Bahesar & Tandwa
13	Taluka/Mandal	Tilda
14	District	Raipur
15	Pincode	493116
16	State	Chhattisgarh
17	Post office	Baikunth
18	Nearest police station	Tilda (Neora)
19	Nearest Railway station	Tilda (Neora)
20	State	Chhattisgarh
21	Post office	Baikunth
22	Nearest police station	Tilda (Neora)
23	Nearest Railway station	Tilda (Neora)
24	Date of Grant of Mining Lease	04.08.1969
25	Date of Execution	30.09.2002
26	Date of opening of Mine	30.11.1971
27	Date of first Renewal, if applicable and its period & expiry	01.09.1989 04.08.1989 to 03.08.1999

28	Date of second Renewal, if applicable and its period & expiry	13.06.2002 04.08.1999 to 31.03.2030
29	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
30	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 – 01.10.2019
31	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri B.P.Mishra, Ultratech Cement Limited,Baikunth Cement Works, PO: Baikunth – 493 116,Distt. Raipur (C.G.), Email – utcl_bcw.mines@adityabirla.com M.No. – 9424207037, Date of appointment – 01.08.2004
32	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri R P S Bhatia, Ultratech Cement Limited,Baikunth Cement Works, PO: Baikunth – 493 116,Distt. Raipur (C.G.), Email – utcl_bcw.mines@adityabirla.com M.No. – 942552611, Date of appointment – 11.10.2006
33	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Manoj kumar Verma, Bachelor in Mining Engg Total experience – 15 years , Ultratech Cement Limited,Baikunth Cement Works, PO: Baikunth – 493116,Distt. Raipur (C.G.) M.No.-9753872820 Email –manojkumar.verma@adityabirla.com Date of appointment – 13.09.2021
34	Name of the Geologist , Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Narendra Kmar Payasi M.Tech (Applied Geology) , Ultratech Cement Limited,Baikunth Cement Works, PO: Baikunth – 493 116,Distt. Raipur (C.G.) M.No.- 9424781701, Email – narendra.payasi@adityabirla.com Date of appointment –16.10.2008, Total experience – 15 years
35	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
36	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining plan approved vide letter no. RAP/LS/MPNL-31/NGP dated 19.10.1988 Modified Mining Plan approved vide letter no. RAP/LST/MPNL-31/NGP dated 17.09.1999 for the period from 1999-2000 to 2003-04
37	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	1 st Scheme of Mining Plan approved letter no. 314(3)/2004-MCCM ©/S-4 Nagpur dated 04.11.2004 for the period 2004-05 to 2008-09 2 nd Scheme of Mining Plan approved letter no. 314(3)/2008-MCCM (CZ)/MP/MS/PMCP-32 Nagpur dated 17.07.2009 for the period 2009-10 to 2013-14 3 rd Scheme of Mining approved letter no. RAP/LST/MPLN-31/NGP Nagpur dated 11.06.2014 for

		the period 2014-15 to 2018-19 Review of Mining Plan approved vide letter no. RPR/LST/MPLN-1177/2018/Raipur dated 22.11.2018 for the period from 2019-20 to 2023-24
38	Mineral(s) granted in lease and proved for mining	Limestone
39	Method of Mining (Opencast, Underground)	Opencast
40	Category (Fully Mechanised, Others or Manual)	Fully mechanised
41	Captive/Non Captive	Captive

II. SCIENTIFIC MINING

[Data in respect of financial year (2021-22) or cumulative, as applicable]

Sl. No	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
A. EXPLORATION:-				
1a	Backlog of Previous Year	Nil	Nil	No exploration proposed.
1b	Exploration Over Lease area for Geological Axis 1 or 2	Nil	Nil	-do-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis 1 or 2	Nil	Nil	The entire ML Area has been Explored under G1 scale of exploration
1e	Balance reserves as on 01/04/2022....	- 111- 4.2 million tonnes	5.8 Million Tonnes	Depletion of ores is on lower side. .
1f	General remarks of inspecting officer on geology, exploration etc.	The entire lease area has been explored by drilling of 181 (83 core +98 DTH) boreholes with total meterage of 3501 mtrs. Under G1 scale of exploration . No future exploration is proposed during the planned period.		

Sl. No	Item	Proposals 2021-22	Actual Work 2021-22	Remarks
B. DEVELOPMENT: -				
2a	Location of development w.r.t. lease area	581293E to 582916E 2377760N to 2379203N	581253E to 582916E 2377813N to 2379203N	7.5 m area within & along the lease boundary (safety zone) was found to be encroached at number of places between boundary pillar 88 to 127 by excavation without such approval Violation of Rule 11(1) of MCDR, 2017 is pointed out.
2b	Separate benches in topsoil, overburden and mineral	1 Bench for OB 3 Bench for Ore	1 Bench for OB 3 Bench for Ore	As per proposal.
2c	Stripping ratio or ore to OB ratio (Ton/Ton)	1:0.103	1.0.16	Marginally on higher side indicating higher waste handling.
2d	Quantity of topsoil generation in m ³	Nil	Nil	No Top soil Available
2e	Quantity of overburden generation in Ton	231653	147016	Waste generation is protonate to production of ore.
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The development of the quarry is as per proposed in approved Mining Plan. The stripping ratio is marginally on higher side due to higher quantity of waste handling during the year 2021-22. 7.5 m area within & along the lease boundary (safety zone) was found to be encroached at number of places between boundary pillar 88 to 127 by excavation without such approval Violation of Rule 11(1) of MCDR, 2017 is pointed out. .		

Sl. No	Item	Proposals 2021-22	Actual Work 2021-22	Remarks
C. EXPLOITATION:-				
3a	Number of Pit Proposed for Production	Two	Two	As proposed.
3b	Quantity of ROM mineral production proposed	10,00,000T	4,54,509.64T	Production of ore is on lower side as per demand from the captive cement plant.
3c	Recovery of Sailable/			-do-

	Usable Mineral from ROM Production	10,00,000T	4,54,509.64T	
3d	Quantity of mineral reject generation	1,47,47 2T	Nil	The entire run of mine is fed to the captive cement plant.
3e	Grade of mineral reject generation and threshold value declared	<34% CaO >5% MgO	Nil	No mineral reject envisaged in approved Mining Plan.
3f	Quantity of sub-grade mineral generation	Nil	Nil	No sub-grade generation envisaged in approved Mining Plan.
3g	Grade of sub-grade mineral generation	Nil	Nil	-do-
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	As per proposal.
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	No beneficiation is required for Limestone.
3j	Provision of drilling & blasting in mineral benches	Yes	Yes	As per proposal.
3k	Provision of mining machineries in mineral benches	Yes	Yes	As per proposal.
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- 6-10 M.	OB – 0.5-3.0 M ORE- 6-10 M.	-do-
3m	Total area covered under excavation/pits	119.37	118.400	
3n	Ore to OB ratio for the pit/mine during the year	1:0.231	1.0.323	Due to less Limestone production
3o	Total area put in use under different heads at the end of year	Not specific.	<p>Already exploited & abandoned by- Nil</p> <p>opencast (O/C) mining Covered under current (O/C)Workings-118.4Ha</p> <p>Reclaimed/Rehabilitated-12.58Ha</p> <p>Used for waste disposal-Nil</p> <p>Occupied by plant, buildings, residential, welfare buildings & roads-8.241Ha</p> <p>Other Purpose-Nil</p>	Different heads given as per annual return. However, Large area was found utilized for stacking of mineral near weigh bridge against no such approval. Violation of 11(1) of MCDR, 2017 is pointed out.

			Work done under progressive mine closure plan during the year-0.6Ha	
3p	Production of ROM mineral during last five-year period, as applicable (in Tonne)			
	2017-18	13,00,000	12,94,961.76	
	2018-19	13,00,000	12,98,522.42	
	2019-20	9,99,664	6,12,995.82	
	2020-21	10,00,000	3,30,798.22	
	2021-22	10,00,000	4,545,09.64	
3q	General remarks of inspecting officer on method of mining etc.	The production of run of mine ore is on lower side than proposed as per demands from the captive cement plant. Large area was found utilized for stacking of mineral near weigh bridge against no such approval. Violation of 11(1) of MCDR, 2017 is pointed out.		

Sl. No	Item	Proposals	Actual Work	Remarks
D. SOLID WASTE MANAGEMENT - DUMPING:-				
4a	Separate Dumping of Topsoil, OB and Mineral Rejects (Rule 32,33)	Yes	Yes	No Top Soil available
4b	Location of Topsoil, OB and Mineral Rejects Dumps	Backfilling of waste proposed between BP 62 to 65 on mined out benches along north-south direction	Backfilling of waste has been done between BP 63 to 65 along East west direction	Violation of 11 (1) of MCDR, 2017 is pointed out.
4c	Number of Dumps within Lease & Outside Lease area	10 (Within ML- all Dead Dumps)	Lease area =10 Non Lease area =0	All dumps have been stabilized & rehabilitated by plantation
4d	Location of Dumps, within Ultimate Pit Limit (Rule-16)	Beyond UPL	Beyond UPL	As per proposal.
4e	Number of Active & Alive Dumps	No active dump	No active dump	-do-
4f	No of Dead Dumps	10	10	-do-
4g	No of Dumps Established	10	10	-do-
4h	Whether Retaining Wall or Garland drain along Dumps are there	Retaining wall proposed	Retaining wall constructed	As per proposal.
4i	Length of Retaining Wall or Garland drain	Garland drain- Nil. Retaining wall-125 m	Garland drain- Nil Retaining wall-85m	Violation of 11(1) of MCDR, 2017

	along Dumps			is pointed out proposals of non-compliance with respect to retaining wall. .
4j	No. of Settling tanks	0	0	One settling available
4k	Specific comments of inspecting officer on waste dump management	No external waste dumping proposed. All existing waste dumps have been rehabilitated by plantation. All waste generated during the process are proposed for backfilling. Against proposal of backfilling between BP 62 to 65 along north-south direction during the year 2021-22, backfilling has been done between BP 63 to 65 along east-west direction. Retaining wall of 125 m was proposed during the year 2021-22 against which retaining wall of only 85m has been constructed. Violation of 11 (1) of MCDR, 2017 is pointed out.		

Sl. No	Item	Proposals	Actual Work	Remarks
E. SOLID WASTE MANAGEMENT - BACKFILLING: -				
5a	Status of part or full extraction of mineral from mined out area before starting backfilling	Full extraction of mineral is proposed from the mined out land before start of backfilling	Before starting backfilling absence of mineral has been proved	Done as proposed.
5b	Area under backfilling of mined out area	0.6 Ha	0.47 Ha	Backfilling area is marginally lower than proposed.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	Nil	Nil generation top soil
5d	Total area fully reclaimed and rehabilitated	Reclamation-0.6Ha Rehabilitation-0.6Ha	Reclamation-0.47Ha Rehabilitation-0.6Ha (as reported by the lessee)	Backfilled area is proposed for rehabilitation by plantation . However, during the inspection of the mine, reported area was not found rehabilitated.
5e	General remarks of inspecting officer on backfilling, reclamation etc	Prior to carrying backfilling, absence of mineral is ensured. Simultaneous backfilling of 0.47 ha area has been carried out during the year 2021-22 against the proposal of 0.6 ha. Since, backfilled area is marginally lower than proposed, no violation is pointed out. Backfilled area is proposed for rehabilitation by plantation . However, during the inspection of the mine, reported area was not found rehabilitated. Violation of Rule 11(1) of MCDR, 2017 is pointed out.		

Sl. No	Item	Proposals	Actual Work	Remarks
F. PROGRESSIVE MINE CLOSURE PLAN: -				
6a	Whether Annual report on PMCP submitted on time and correctly -	Yes	Yes	

	Rule 23E(2).			
6b	<p>Management of worked/mined out benches</p> <p>i) Area available for rehabilitation (ha)</p> <p>ii) Afforestation done (ha)</p> <p>iii) No. of saplings planted during the year</p> <p>iv) Cumulative no. of plants</p> <p>v) Any other specific method of rehabilitation</p> <p>vi) Cost incurred on watch & care during the year</p>	<p>i) Nil</p> <p>ii) Nil</p> <p>iii) Nil</p> <p>iv) Nil</p> <p>v) Nil</p>	<p>i) Nil</p> <p>ii) Nil</p> <p>iii) Nil</p> <p>iv) Nil</p> <p>v) Nil</p>	No proposal for rehabilitation of mined out benches in approved Mining Plan.
6c	<p>Compliance on reclamation and rehabilitation by backfilling</p> <p>i) Voids available for backfilling (L X B X D)</p> <p>ii) Void filled by waste/tailings</p> <p>iii) Afforestation on the backfilled area</p> <p>iv) Rehabilitation by making water reservoir</p> <p>v) Any other specific means</p>	<p>i) Nil</p> <p>ii) 0.6 Ha</p> <p>iii) 0.6 Ha</p> <p>iv) Nil</p> <p>v) Nil</p>	<p>--</p> <p>i) Nil</p> <p>ii) 0.47 Ha</p> <p>iii) 0.6 Ha</p> <p>iv) Nil</p> <p>v) Nil</p>	No proposal
6d	<p>Compliance of Rehabilitation of waste land within lease</p> <p>i) Afforestation</p> <p>ii) Area rehabilitated (ha)</p> <p>iii) Method of rehabilitation</p>	Nil	Nil	No proposal for rehabilitation of waste land in approved Mining Plan.
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Within permissible limit	Complied	AAQMS & noise survey done monthly and fugitive quarterly
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Backfilling of mined out area is being carried as proposed in approved Mining Plan. An area of 0.47 ha has been backfilled during the year 2021-22 against proposed area of 0.6 ha. During the year 2021-22, an area of 0.6 ha has been reported as rehabilitated by planation against proposed area of 0.6 ha. However, during the inspection of the mine, the backfilled area was not found rehabilitated by planation. Violation of Rule 11(1) of MCDR, 2017 is pointed out.		

Sl. No	Item	Proposals 2021-22	Actual Work 2021-22	Remarks
G. MINERAL CONSERVATION:-				
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM being dispatch	ROM being dispatch	No Sorting. All the ROM is dispatched to plant
7b	Method of Grade-wise mineral sorting i.e. manual or mechanical	No sorting of mineral grade-wise	No sorting of mineral grade-wise	As per proposal.
7c	Different grade of mineral sorted out at mines	No grade of mineral sorted at mines	No grade of mineral sorted at mines	-do-
7d	Any beneficiation process at mines	No-beneficiation	No-beneficiation	No beneficiation is warranted for Limestone.
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The run of mine ore is directly fed to crusher without any grade-wise sorting .		

Sl. No	Item	Proposals 2021-22	Actual Work 2021-22	Remarks
H. ENVIRONMENT: -				
8a	Separate removal and utilization of topsoil	Nil	Nil	No generation of top soil observed.
8b	Concurrent use or storage of topsoil	Nil	Nil	-do-
8c	Separate dumps for overburden, waste rock, rejects and fines	Nil	Nil	No separate waste dumping is proposed. Entire waste generated is proposed for backfilling.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	For backfilling	For backfilling	As per proposal.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Reclamation-0.6 Ha Rehabilitation- 0.6 Ha	Reclamation-0.47 Ha Rehabilitation-0.6 Ha	0.6 ha area have been reported as rehabilitated during the year 2021-22. However, during the inspection of the mine, the proposed backfilled area was not found not rehabilitated

8f	Baseline information on existence of plantation & additional plantation done	2019-20 - 2000 nos 2020-21 - 1200 nos 2021-22 -1200 nos	2019-20 - 2005 nos 2020-21 - 1252 nos 2021-22 -1205 nos Cumulative- 167091 nos	Done as per proposal.
8g	Survival rate	95%	97.12 %	
8h	Water sprinkling on roads to control airborne dust	Not specific. -	73 Nos. sprinkler along haul road has been installed and One water tanker sprinkler in operation	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No top soil is generated in the mine. All generated waste is being backfilled in mined out area. During the year 2021-22 0.47 ha area has been backfilled against proposal of 0.6 ha. An area of 0.6 ha has been rehabilitated during the year 2021-22, against proposal of 0.6 ha. However, during the inspection, the said area was found not rehabilitated. Violation of 11(1) of MCDR, 2017 is pointed out.		

Sl. No	Item	Comments		Remarks
I. COMPLIANCE OF RULE-45:-				
9a	Status of Submission of Monthly & Annual Returns	MR Submitted up to = 8.12.2022 AR Submitted up to = 27.06.2022		
Sl. No	Item	Details Given in A.R	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- Shri Manoj Kumar Verma Manager- Shri R.P.S. Bhatia Geologist- Shri N.K.Payasi	Were present during the visit.	However, same persons are designated as Mining Engineer and Geologist for the same lessees Century Cement Limestone Mine (74 ha in violation of Rule 55 (1)(3) of MCDR, 2017
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Already exploited & abandoned by- Nil opencast (O/C) mining Covered under current (O/C) Workings-118.4Ha Reclaimed/Rehabilitated- 12.58Ha Used for waste disposal- Nil Occupied by plant, buildings, residential, welfare buildings & roads- 8.241Ha Other Purpose- Nil	Appears to be correct.	Different heads given as per annual return

		Work done under progressive mine closure plan during the year-0.6Ha		
9d	Scrutiny of Annual return on afforestation	Current Year Plantation Area 0.6 H No. 1205 Plants with survival rate of 96.24%	Appears to be correct.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Appears to be correct.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No Stock		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Rs 430.82 per Ton Ex-mine price and Rs.163.22-Mining cost		
9i	Scrutiny of Annual return on fixed assets	` 681887891		
9k	Scrutiny of Annual return on mining machineries	7-Non electrical machines and 6-Electrical pumps		

III. Status of compliance of MCDR,2017 including therewith the rectification of outstanding violation of the rules.

During the previous inspection of the mine on dated 18.06.2021 by Shri B.L.Gurjar, RCOM no violation was pointed out.

During the current inspection, following violations are pointed out:

नियम	उल्लंघन के प्रकार का ब्यौरा
11(1)	<p>The mining operations are required to be carried out in accordance with the Mining Plan approved, modified or reviewed by Indian Bureau of Mines. However, the mining operations have been observed not carried out in accordance with Review & updation of Mining Plan approved vide letter No. RPR/LST/MPLN-1177/2018/Raipur dated 22.11.2018 for the period from 2019-20 to 2023-24</p> <p>(i) Against proposal of backfilling near to BP 62 to 65 along the pit benches in north-south direction during the year 2021-22, backfilling has been carried out in the pit along east-west direction near BP 63 & 64.</p> <p>(ii) Retaining wall of 125 m was proposed around backfilled area during the year 2021-22 against which only 85m of retaining wall has been constructed.</p> <p>(iii) During the year 2021-22, backfilled area of 0.6 ha was proposed for rehabilitation by planation. However, during the inspection, the backfilled area was not found rehabilitated by planation as proposed.</p>

	<p>(iv) Substantial area was found utilized for stacking of mineral and crusher fines near to weigh bridge against no such approval.</p> <p>(v) Mining Lease area shape as shown on Geo-referenced vectorised Cadastral Map (DGPS Plan) is not observed in consonance with Mining Lease shape as shown over the precise lease sketch/map (cadastral Plan).</p> <p>Hence, the above are observed to be against systematic and scientific development of mines and protection of environment.</p>
55 (1) (3) (i)	A whole-time mining engineer and a geologist have not been appointed as stipulated under this rule.

Date:

(प्रेम प्रकाश)
क्षेत्रीय खान नियंत्रक
भारतीय खान ब्यूरो, रायपुर

IV. Summary of Development, production and Ore:O.B. ratio proposed in the Mining Plan/ Scheme/Review for the last year and current year vis-a-vis those achieved :

Activity [Items (a) to (e) are not very appropriately placed, but furnished for convenience]	Previous Financial Year (2021-22)		Current Year (2022-23) (up to the month previous to the date of inspection)	
	<i>Proposed</i>	<i>Achieved</i>	<i>Proposed</i>	<i>Achieved</i>
(a) Exploration:	Nil	Nil	Nil	Nil
(b) Development:				
(i) Top –soil	Nil	Nil	Nil	Nil
(ii) Over burden/waste (Ton)	231653	147016	231541	75388
(iii) Sub-grade ore (Ton)	Nil	Nil	Nil	Nil
(iv) ROM mineral rejects	14,7,474	Nil	1,47,521	Nil
(c) Production (ore)Ton	10,00,000	4,54,509.64	10,00,000	2,94,968.7
(d) Ore: OB/waste ratio (Ton/Ton ¹)	1:0.231	1:0.323	1: 0.231	1:0.255
(e) Afforestation:	1200 Nos	1205 Nos	1200 Nos	1215Nos

V. Community Development Plan (in and around the mines): Proposed action and expenditure towards socio-economic development:

Action during the year	Expenditure in Rs. Lakhs for	Expenditure in Rs. Lakhs for	Expenditure in Rs. Lakhs for	Expenditure in Rs. Lakhs for	Cumulative Expenditure in Rs. Lakhs so far	Remarks
	previous year Proposed	previous year Incurred	current year Proposed	current year Incurred		
	(2021-22)	(2021-22)	(2022-23)	(2022-23) (up to the date of Insp.)		
Health		0.99	-	1.57	2.56	Hospital
Housing			-	-	-	
Medical facility	87.87	49.96	88.94	36.50	86.47	Medical Center Exp
Safety	278.92	391.86	205.40	133.53	525.39	Safety Exp All Plant
Sanitation	-	-	-	-	-	
Water supply	41.51	43.17	42.71	34.53	77.70	Water supply plant

Communication	68.18	26.05	58.43	27.33	53.38	Communication exp plant
Electricity	-	-	-	-	-	
Public transport	36.66	51.61	52.07	50.24	101.85	Vehicle hiring exp plant
Roads	8.00	25.00	8.00	16.58	41.58	Infrastructure Development Nearby village
Employment	139.40	85.41	30.35	17.27	102.68	HRD Exp plant
Environment management	49.41	52.00	47.40	41.29	93.29	Environment exp plant
Others	-	-	-	-	-	
Recreation	6.60	3.50	5.51	4.10	7.60	Staff club exp.
Sports activities	-	0.50		-	0.50	Sports exp.
Training	32.52	2.03	64.53	7.02	9.05	Training & development exp

Date : 21.12.2022

(Signature of Mine owner/Agent/Mines Manager/ Mining Engineer)
With SEAL