

MCDR INSPECTION REPORT

**General**

<b>S. N.</b>	<b>Particulars</b>	<b>Details</b>
1	Name of the Mine Date of Inspection & Inspecting officer	Rajoor Limestone Mine of Smt Usha K Rajpuria,07.12.2017 ,Rajesh Kumar Das, Senior Assistant Controller of Mines
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	1.5 ha.
3	Mine code	38CHG01002
4	IBM Registration Number under rule 45 of MCDR, 1988	
5	Name of the lessee, Address, phone, email and fax number	Smt Usha k Rajpuria,C/O Shri Kamlesh Rajpuria,B-309,C.G.Heights,Daldal Seoni,Mowa,PO & Distt.- Raipur,Chhattisgarh-492001
6	Village	Raipur
7	Taluka/Mandal	Raipur
8	District	Raipur
9	Pincode	492001
10	State	Chhattisgarh
11	Post office	Mowa
12	Nearest police station	Mowa
13	Nearest Railway station	Raipur
14	Date of Grant of Mining Lease	23.10.1996
15	Date of Execution	23.10.1996
16	Date of opening of Mine	12.12.1996
17	Date of first Renewal, if applicable and its period & expiry	NA, As per Section 8A(3) Mines & Minerals(Development & Regulation) Amendments Act 2015 lease extend upto 50 years i.e. 22.10.2046
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA, Mine Owner Smt Usha K Rajpuria
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	No Manager appointed
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	No Mining Engineer
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	No

25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Modified Mining Plan dated 07.12.2016
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Opencast, Underground)	opencast
29	Category (Fully Mechanised, Others or Manual)	Manual
30	Captive/Non Captive	Non Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

#### **Exploration**

S.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	2 bore holes proposed in 2017-18
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	The lease was almost exposed due to excavation.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	2016-17 no proposal	The lease was almost exposed due to excavation.	
1e	Balance reserves as on 01.04.2016	67231 tons in 111 category & in resource 51579 tons		
1f	General remarks of inspecting officer on geology, exploration etc.	The deposit is simple bedded type deposit almost flat having dip 2-4°. The lease area is almost exposed due to excavation.		

#### **Development**

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	NE w.r.t Mining lease extending existing working	Broadly as per proposal	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Topsoil generation is nil	Already exposed area therefore no top soil.	
2c	Stripping ratio or ore to OB ratio	1:0.05	Broadly as per proposal	
2d	Quantity of topsoil generation in m <sup>3</sup>	Nil	Nil	
2e	Quantity of overburden generation in m <sup>3</sup>	200		
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The lease is very small and the ML area is almost exposed due to mining. The mining is very small scale in manual method		

**Exploitation**

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	8000 tons		
3c	Recovery of salable/usable mineral from ROM production	95%	Broadly as per proposal	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	NA	NA	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	NA	
3j	Provision of drilling & blasting in mineral benches	No drilling and blasting proposed	Not observed	
3k	Provision of mining machineries in mineral benches	No mining machineries only hired tractor of 3 tons for ore transportation.	No mining machineries observed.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Broadly the bench height where proposal given varies from 1 meter to 2.5 meter and it is broadly as per proposal		
3m	Total area covered under excavation/pits	0.04 ha.	Broadly as per proposal.	
3n	Ore to OB ratio for the pit/mine during the year	1.0.05	Broadly as per proposal.	
3o	Total area put in use under different heads at the end of year	Not mentioned specifically.		
3p	Production of ROM mineral during last five-year period, as applicable	2012-13: no proposal 2013-14: no proposal 2014-15: 7125 tons 2015-16: 7125 tons 2016-17: 8000 tons	2012-13: 5257 tons 2013-14: 1492 tons 2014-15: 363 tons 2015-16: 1800 tons 2016-17: 1920 tons	
3q	General remarks of inspecting officer on method of mining etc.	The method of mining is opencast method manually and it is as per proposal.		

**Solid Waste Management-Dumping**

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No top soil generation and waste material proposed for backfilling	Broadly as per proposal	
4b	Location of topsoil, OB & mineral reject dumps	No major dump	No major dump	Waste is used for backfilling.
4c	Number of dumps within lease area and outside lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	
4e	Number of active & alive dumps	NA	NA	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilised	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	NA	NA	
4i	Length of Retaining wall or garland drain all along dump	NA	NA	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management	The mining is small scale mining and the area is already exposed due to excavation and waste generation is negligible.		

**Solid Waste Management-Backfilling**

S.N.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No backfilling proposed	No backfilling	
5b	Area under backfilling of mined out area	Nil	Nil	Small area in 7.5 meter is started backfilling.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Generation of topsoil Nil	No top soil generation.	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No backfill and reclamation done. During mine visit it was observed that some places working extended 7.5 meter and the same area is started backfilling.		

**Progressive Mine Closure Plan**

S.N.	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.	No	No	
6b	Management of worked/mined	i.Nil	i.Nil	

	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	ii.200 nos iii.Last five year2012-13 to 2015-16 afforestation proposed 25 nos/year iv.NA v.NIL	ii.200 nos iii.no plantation observed iv.NA v.NIL	
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 backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	i) NA	i) NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) NA	i) NA	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	No proposal	NA	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	As it mentioned that the mining is very small scale mining and in PMCP afforestation proposal is given but during mine visit no such afforestation observed.		

### **Mineral Conservation**

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No gradewise sorting proposed	As per proposal	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NA	NA	
7c	Different grade of mineral sorted out at mines	NA	NA	
7d	Any beneficiation process at mines	No beneficiation	No beneficiation	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			Broadly the ROM is directly dispatched.

### **Environment**

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil generation	No top soil generation	
8b	Concurrent use or storage of topsoil	NA	NA	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	Waste generation is negligible and used for backfilling in 7.5 meter safety barrier area.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	backfilling in 7.5 meter safety barrier area.	backfilling in 7.5 meter safety barrier area.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	No proposal	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Not mentioned specifically.	<b>No afforestation observed.</b>	
8g	Survival rate	NA	NA	
8h	Water sprinkling on roads to control airborne dust	No such proposal	Water sprinkling on roads not observed	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	As mentioned earlier the mining is small scale working and adverse impact observed due to mining on aesthetic beauty.		

**Compliance of Rule 45**

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns			
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	No information regarding mining Engineer, Geologist & Manager		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Already exploited & abandoned by opencast mining-1.53 ha. Work done under progressive mine closure plan during the year-1.53 ha.	It was observed the information furnished is not correct and mine is under working but the area under opencast working and other is not mentioned.	
9d	Scrutiny of Annual return on afforestation	Nil		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	470 tons closing stock and grade not mentioned		Geological reserves given nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of production is given- Rs285/-, Ex-mine price given Nil		
9i	Scrutiny of Annual return on fixed assets	Nil		

9k	Scrutiny of Annual return on mining machineries	No mining machineries		
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**Details of violations observed during current inspection and compliance position of earlier violation pointed out:-**

**During present inspection the following rule found violated**

नियम	उल्लंघन के प्रकार का ब्यौरा
11(1)	<p>Mining operations in a mine is being carried out without having valid approved mining plan/review of mining plan. The Modified Mining Plan was approved vide letter no.BST/LST/MPLN-1057/2016-RAI dated 08.12.2016 and following deviation was observed during inspection</p> <p>1. It was proposed to drill 02 nos core drill holes of 30 meter depth each proposed in 2017-18 but till date no drilling started nor any intimation for such drilling given.</p>
45	<p>While scrutiny of the Annual return submitted for 2016-17 it is observed that ex-mine price was given nil, Geological reserves given Nil,no information about mining engineer, Geologist, Manager .</p>
Rule 55	<p>Employment of geologists and mining engineers.-(1) For the purpose of carrying out reconnaissance, prospecting or mining operations in accordance with these rules,-</p> <p>3. every holder of a mining lease shall employ, in case of-</p> <p>(iv) category 'B' mines, a Part-time mining engineer and a Part-time geologist; But the mine is not having mining engineer nor Geologist.</p>

**Earlier based on office record dated 03.08.2017 & 06.09.2017 Rule 35(2) & 45(5)(2) of MCDR,2017 violation issued which was complied.**

**Rajesh Kumar Das,Senior Assistant Controller of Mines  
(Name of inspecting officer with designation and date)**