

MCDR INSPECTION REPORT

General

S. N.	Particulars	Details
1	Name of the Mine, Name of Inspecting officer with designation & date of Inspection	Baranji Limestone Mine, Shri Rajesh Kumar Das, Senior Assistant Controller of Mines, 07.12.2017
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	1.619 Ha., Non forest Govt
3	Mine code	38CHG01005
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/8819/2011
5	Name of the lessee, Address, phone, email and fax number	Smt Kusum Tulshyan, W/O Vijay Kumar Heliwal, Geedam Road, P.O.-Jagdarpur, Distt.-Bastar, Chhattisgarh, e-mail: heliwalvk@hotmail.com , mob: 9425258659 & phone no. -07782 222659
6	Village	Jagdarpur
7	Taluka/Mandal	jagdarpur
8	District	Bastar
9	Pincode	494001
10	State	Chhattisgarh
11	Post office	Jagdarpur
12	Nearest police station	Jagdarpur
13	Nearest Railway station	Jagdarpur
14	Date of Grant of Mining Lease	06.01.1999
15	Date of Execution	06.01.1999
16	Date of opening of Mine	
17	Date of first Renewal, if applicable and its period & expiry	NA
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
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	Shi Pankaj Agarwal, appointment notice not given
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.	Geologist name given in Annual return but not mining engineer.
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	BST/LST/MPLN-430/NGP dated 19.06.1995 first Mining plan approved
26	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 approved on 10.11.2004 for period 2004-05 to 2008-09

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	No proposal	2 bore hole drilled	No approved document from 2014-15 to till date
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	Mostly the leased area exposed due to excavation and two bore holes drilled from pit bottom upto 30 meter depth near eastern and western boundary of ML covering entire lease area.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	Directorate of Geology and Mining, Jagdalpur regional office, Rupees 1.2 lakh as reported by lessee.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Broadly the area explored	
1e	Balance reserves as on 01.04.2015	78376	85455	No proposal after 2014-15
1f	General remarks of inspecting officer on geology, exploration etc.	Mostly the leased area exposed due to excavation and two bore holes drilled from pit bottom upto 30 meter depth near eastern and western boundary of ML covering entire lease area.		

Development

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	No proposal	Broadly in centre of ML in bottom bench	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No proposal	No top soil generation, the lease already exposed to second bench	
2c	Stripping ratio or ore to OB ratio	No proposal	NA	
2d	Quantity of topsoil generation in m ³	No proposal	Nil	
2e	Quantity of overburden generation in m ³	No proposal	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t.	The development is not systematic and bench height ranges from 2-10 meter. There is no space to move the top bench only		

type of deposit etc.	development is possible in centre of ML in lower bench.
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Exploitation

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	No proposal	one	
3b	Quantity of ROM mineral production proposed	No proposal	16088 MT	
3c	Recovery of salable/usable mineral from ROM production	No proposal	16088 MT	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral reject generation and threshold value declared	No proposal	NA	
3f	Quantity of sub-grade mineral generation	No proposal	Nil	
3g	Grade of sub-grade mineral generation	No proposal	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Manual	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	NA	
3j	Provision of drilling & blasting in mineral benches	No proposal	No drilling Blasting	
3k	Provision of mining machineries in mineral benches	No proposal	Manual operation	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal	No OB and oly bottom bench is suitable for mining.	
3m	Total area covered under excavation/pits	No proposal	Almost MI area is exposed due to mining but in the given plan proposal is given in bottom bench.	
3n	Ore to OB ratio for the pit/mine during the year	No proposal	No OB	
3o	Total area put in use under different heads at the end of year	No proposal	Almost lease area is under mining pit except 7.5 meter safety barrier left in some places.	
3p	Production of ROM mineral during last five-year period, as applicable	2012-13:9262 MT 2013-14:11400 MT 2014-15:no proposal 2015-16: no proposal 2016-17: no proposal	2012-13:5479 MT 2013-14:10009 MT 2014-15:5099 MT 2015-16:8077 MT 2016-17:16088 MT	No approved document from 2014-15.
3q	General remarks of inspecting officer on method of mining etc.	The method of mining is by opencast manual method.		

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No proposal	No topsoil generation.	
4b	Location of topsoil, OB & mineral reject dumps	No proposal	No dump observed in ML area.	
4c	Number of dumps within lease area and outside lease area	No proposal	NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	NA	
4e	Number of active & alive dumps	No proposal	Nil	
4f	Number of dead dumps	No proposal	Nil	
4g	Number of dumps stabilised	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	NA	
4i	Length of Retaining wall or garland drain all along dump	No proposal	NA	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management	During the mine visit no major dump observed in ML area.		

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 proposal	No backfilling done.	
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	NA	
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No area in ML is backfilled and reclaimed and area also not matured for 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 proposal	Not submitted	
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	No proposal	Nil	

	rehabilitation vi) Cost incurred on watch & care during the year			
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) No proposal	No proposal as there is no approved document and no work done.	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No proposal	No proposal as there is no approved document and no work done.	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	No proposal	No proposal as there is no approved document and no work done.	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	As mentioned above there is no approved document on PMCP after 2014-15.		

Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	No sorting observed in ML area.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No proposal	NA	
7c	Different grade of mineral sorted out at mines	No proposal	NA	
7d	Any beneficiation process at mines	No proposal	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	In mine area no mineral reject or subgrade grade dump observed and which reflect that total ROM dispatch from ML.		

Environment

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Top soil generation nil	
8b	Concurrent use or storage of topsoil	No proposal	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	No waste overburden, reject, waste generation, no major dump observed	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	NA	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	No reclamation done.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	No proposal	almost area is excavated and very less area of 7.5 meter safety barrier left out and afforestation is also very few.	
8g	Survival rate	No proposal	Reported 30%	
8h	Water sprinkling on roads to control airborne dust	No proposal	Not observed as working is stopped.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	As the mine is not working therefore no adverse impact observed due to mining.		

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	Yes Given	Shri Ashok John is Geologist but in Mining Engineer also his name mentioned.	Manager-Shri Pankaj Agarwal & Geologist & Mining Engineer- Shri Ashok John
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Total area of 1.63 ha. given in already exploited by opencast working.		
9d	Scrutiny of Annual return on afforestation	50 sapling planted within ML area and 50 outside ML		Survival mentioned is 30%
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock 364023 tons		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-Mine price given Rs 425, Cost of Production Rs 551/ton		
9i	Scrutiny of Annual return on fixed assets	Fixed asset mentioned Rs 1218218/-	No fixed asset observed as it is manual working mine.	
9k	Scrutiny of Annual return on mining machineries	Air Compressor 10 cum/mn (non Electrical)		

Details of violations observed during current inspection and compliance position of earlier violation pointed out: - Based on office record violation of Rule 45(5)(a) & 45(5)(b) for non submission of annual and monthly report pointed out on 02.08.2016 which was already complied and dated 08.08.2017 violation letter issued for Rule 35(2)

for non submission of online self assessment report of sustainable development(based on office record) also complied.

In present inspection no serious violation found.

Rajesh Kumar Das, Senior Assistant Controller of Mines, 07.12.2017
(Name of inspecting officer with designation and date)