

MCDR INSPECTION REPORT

General

S.N.	Particulars	Details
1	Name of the Mine Date of Inspection: Name of Inspecting Officer	Badanji Limestone Mine 01/11/2017 Rudra N. Mishra
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non Forest Land: 1.62 Hect
3	Mine code	38CHG01010
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/9160/2012
5	Name of the Lease, Address, Phone, email and fax number	M/S Neha Stone Prop:- Smt Swati Garg House No. 118-119, Sun City, Lal Bagh,P.O. Jagdalpur, Dist- Bastar (C.G.)
6	Village	Badanji
7	Taluka/Mandal	Lohandiguda (Jagdalpur)
8	District	Bastar
9	Pin code	494001
10	State	Chhattisgarh
11	Post Office	Jagdalpur
12	Nearest Police Station	Jagdalpur
13	Nearest Railway Station	Jagdalpur
14	Date of Grant of Mining Lease	29/04/2003
15	Date of Execution	02/07/2003
16	Date of opening of Mine	02/07/2003
17	Date of First Renewal, if applicable and its period & expiry	Not Applicable
18	Date of Second Renewal, if applicable and its period & expiry	Not Applicable
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Prop:- Smt Swati Garg House No. 118-119, Sun City, Lal Bagh,P.O. Jagdalpur, Dist- Bastar (C.G.)-494001 anilgarg30@rediffmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Mahesh Rao (Power of Attorney) House No. 118-119, Sun City, Lal Bagh,P.O. Jagdalpur, Dist- Bastar (C.G.)-494001 Phone No.-07782-237087 maheshrao56@gmail.com
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	None

23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	No
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Letter No. : BST/LST/MPLN-810/NGP,dated 27/11/2002
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	Letter No : BST/LST/MPLN-810/NGP,dated 11/08/2011 for period (2008-09 to 2012-13) Letter No : BST/LST/MPLN-810/NGP,dated 02/02/2016 for Period (2013-14 to 2017-18)
27	Mineral(s) granted in lease and approved for Mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Category "B" Mines
30	Captive/Non-Captive	Non Captive

Exploration

S.N.	Item	Proposals (2016-17)	Actual Work (2016-17)	Remarks
1a	Backlog of previous year	No	Same as proposal	
1b	Exploration over lease area for Geological axis 1 or 2.	G1 category:1.11ha G2 category: 0.504ha	G1 category:1.11ha G2 category: 0.504ha	
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.	Nil	Nil	
1e	Balance reserves as on 01.04.2017	238171.6Tonnes		
1f	General remarks of Inspecting officer on geology, exploration etc.	<p>The area is occupied by Indravati Group of rocks which is belonging to upper Proterozoic and underlain by Bengpal Group of rocks of Archaean age.The Kanger limestone is found to occur in and around village Badanji,Chhindgaon,Chandanpur,Chapparbhanpuri,Sirisguda,Belar etc.It is hard and compact and breaks with conchoidal fracture.The limestone occurring in the area is generally striking NE-SW and dipping very gently about 2° to 3° in SE, almost it is horizontally bedded. Locally , following lithological sequence is occurring in the area:</p> <p>Top Soil/ Murrum: 0.0 to 0.5meter. Bedded Limestone: about 20 m Thickness. Intercalated clay: Inter-layered within limestone beds of about 0.05 to 0.5m thick.</p>		

Development

S.N	Item	Proposals (2016-17)	Actual Work (2016-17)	Remarks
2a	Location of Development w.r.t. lease area	As per proposal	As per proposal	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Nil	Being maintained	
2c	Stripping ratio or ore to OB ratio	1 : 0.57	1: 0.01	
2d	Quantity of topsoil generation in m ³	Working in Ore bench	Working in Ore bench	
2e	Quantity of overburden generation in m ³	Nil	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development is in order.		

Exploitation

S.N	Item	Proposals (2016-17)	Actual Work (2016-17)	Remarks
3a	Number of pits proposed for production	01	01	
3b	Quantity of ROM mineral production proposed (2016-17)	4620Tonnes	9863 Tonnes	
3c	Recovery of Salable/usable mineral from ROM production	all material useable from Production	all material useable from Production	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	less than 34% Cao	Nil	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No	No	
3j	Provision of drilling & blasting in mineral benches	No	No	
3k	Provision of mining machineries in mineral benches	No	No	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	yes	

3m	Total area covered under excavation /pits	0.302 ha	0.302ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.01	1:0.01	
3o	Total area put in use under different heads at the end of year	1.143ha	1.143ha	
3p	Production of ROM mineral during last five-years period, as Applicable (in Tonnes)	2012-13	9025	3959
		2013-14	4620	1550
		2014-15	4620	3620
		2015-16	4620	3909
		2016-17	4620	9863
3q	General remarks of inspecting officer on method of mining etc	Overall five year production of ROM is within range. Manual method of mining adopted.		

Solid Waste Management-Dumping

S.N.	Item	Proposals (2016-17)	Actual Work (2016-17)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	yes	yes	
4b	Location of topsoil, OB & mineral reject dumps	Top Soil- on the 7.5m boundary barrier	Top Soil- on the 7.5m boundary barrier	
4c	Number of Dumps within lease area and outside lease area	One within a lease boundary	One within a lease boundary	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Temporary Dump	Temporary Dump	
4e	Number of Active & Alive dumps	1	1	
4f	Number of deed dumps	Nil	Nil	
4g	Number of dumps established	None	None	
4h	Whether Retaining wall or garland drain all along dumps are there	None	None	
4i	Length of Retaining wall or garland drain all along dump	NA	NA	
4j	Number of settling ponds	None	None	
4k	Specific commends of inspecting officer on waste dump management	Temporarily Dump placed.		

Solid Waste Management-Backfilling

S.N.	Item	Proposals (2016-17)	Actual Work (2016-17)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	NA	NA	It's a running mines so there is no backfilling work started.
5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed & rehabilitated	NA	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	There is no backfilling and reclamation work started.		

Progressive Mine Closer Plan

S.N	Item	Proposals (2016-17)	Actual Work (2016-17)	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	No	Violation pointed out
6b	Management of worked/mined out benches	None	NA	
	Area available for rehabilitation (Ha)			
	Afforestation done (ha)			
	No.of saplings planted during the year			
	Cumulative no. of plants			
	Any other specific method of rehabilitation			
	Cost incurred on watch & care during the year			
6c	Compliance on reclamation and rehabilitation by backfilling Voids available for backfilling (L*B*D) Void filled by waste/tailings Afforestation on the backfilling Rehabilitation by making water reservoir Any other specific means	NIL	NIL	
6d	Compliance of Rehabilitation of waste land within lease Afforestation Area rehabilitation Method of rehabilitation	None	None	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Proper Monitoring	Done in core-zone & buffer zone	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Not Submitted PMCP on time. Violation pointed out.		

Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	4620	9863	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sort out at mine	yes	yes	

7d	Any beneficiation process at mines	No	No	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Crushing and screening carried out for crushing of ROM and screening to different sizes. No beneficiation process adopted.		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	232 tonnes	Same as proposal	
8b	Concurrent use or storage of topsoil	7.5m non mining zone	7.5m non mining zone	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	No	No	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	Pit will be converted as water reservoir
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Nil	Nil	
8g	Survival rate	20%	20%	
8h	Water sprinkling on roads to control airborne dust	Nil	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Additional Plantation and improve the survival rate of plantation.		

Compliance of Rule 45

S. N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	M.R.Submitted upto-April- 17	Violation pointed out
		A.R. submitted upto- 2016-17	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area Under Pit: 1.50ha Use for waste disposal: Nil Occupied by plant, building residential, welfare building and roads: 0.10ha Other purpose (Mineral Storage): Nil	

9d	Scrutiny of Annual return on afforestation	Within Lease area: 20 Saplings Outside Lease area: Nil Survival Rate: 20%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Mineral Reject generation: Nil Grade : Less than 34% CaO	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Opening Stock : 89 Tonnes ROM Production : 9863 Tonnes Closing Stock: 171 Tonnes	
9g	Scrutiny of Annual return on sale value, Ex.Mine price & production costs	Cost of Production: Rs.303 Ex Mine price : Rs 210	Pointed out for correction
9i	Scrutiny of Annual return on Fixed assets	Fixed Assets : Rs 117000	Mentioned in Annual Return
9k	Scrutiny of Annual return on mining Machineries	Manual method of Mining adopted ,No Machineries .	

Details of Violations observed during current inspection and compliance position of earlier violation pointed out:-

नियम	उल्लंघन के प्रकार का विस्तृत ब्यौरा
Rule 26 (2)	A yearly report as per the format specified by Indian Bureau of Mines, before 1st day of July every year setting forth the extent of protective and rehabilitative works carried out has not been submitted for the year 2016-17
Rule 45 (5)(b)	A monthly return which shall be submitted before the tenth day of every month in respect of the preceding month in electronic form along with a signed print copy of the same has not been submitted
Rule 45 (5) (c)	While scrutiny of the annual return 2016-17, It is observed that Ex -Mine price is less than cost of production which needs to be corrected and no information about Mining engineer.

Date: 15/02/2017

Name: Rudra N Mishra
Designation: Senior Mining Geologist