



भारत सरकार
GOVERNMENT OF INDIA
खान मंत्रालय
MINISTRY OF MINES
भारतीय खान ब्यूरो
INDIAN BUREAU OF MINES
क्षेत्रीय खान नियंत्रक कार्यालय



OFFICE OF REGIONAL CONTROLLER OF MINES

दूरभाष: (080) 39505368 / 29720499
Email ID: ro. bangalore@ibm.gov.in

29, इंडस्ट्रियल सबर्ब, II स्टेज, तुमकुर रोड,
गोरगुंटापाल्या, येशवंतपुर,
बेंगलूरु -560022

No. KNT/BLR/Fe/ 331 /BNG

Mine Code 30KAR03011

Date: 28/09/2022

सेवामें/To,

Sri D.K.Mohanthy,
Nominated Owner & Director Production,
Donimalai Iron Ore Mine,
M/s. NMDC Ltd.,
10-3-311/A, Khanij Bhavan,
Castle Hills, Masab Tank,
Hyderabad-500 028.
dirprod@nmdc.co.in / ssahi@nmdc.co.in

Subject: Violation of provisions of MCDR 2017 in respect of your in respect of your **Donimalai Iron Ore Mine (ML No. 2396)** over an area of **597.54 Ha** having mine code **30KAR03011** in Donimalai village, Sandur Taluk, Ballari District, Karnataka state.

Sir,

The following provisions of the Mineral Conservation and Development Rules, 2017 were found violated in your above mine during inspection on 14.09.2022 by the undersigned along with Shri. Gangadhar Bhakat, AME in the presence of Shri S M Jagadeeshwar, DGM (Mines), D Somashekara Reddy, DGM(Geology), Mining Engineers, Geologists, Surveyors and other officials of your mine.

Rules	Nature of Violations observed
11 (1)	<p>The Mining operations are required to be carried out in accordance with the approved Modified Review and Updation Mining Plan document vide letter no. 279/34/88/BNG dated 03/12/2020, However, during the inspection deviations were observed in mining operation vis-à-vis approved document and are as follows:</p> <ol style="list-style-type: none">For the Year 2021-22, It was proposed to produce 7,000,000Tons of Iron Ore (ROM) and 21,178,000Tons of waste removal (Development). However only 5,316,479 Tones & 9,643,164 Tones of Production and Development is achieved which is 24% & 46% less than the target production and development respectively and as such not achieved the proposed stripping ratio(1:3.03 proposed to 1:1.80 achieved)Exploration programme for the year 2021-22, it was proposed to drill 9 numbers of Boreholes with total meterage of 610 mts, against which only 5 number of Boreholes with 258Mts of drilling has acheived.Refer to Ministry of Mines, Indian Bureau of Mines, Notification No. C-284/3/CMG/2017 dated 25th April, 2018 for THRESHOLD VALUE OF MINERALS, the lessee has to assess “All resources up to the threshold value and the resources between the threshold value and the cut-off grade shall be reported separately” <p>It was indicated in the above referred Approved Mining Plan at page No 43</p>

	that <i>“the resource estimation below threshold value (i.e., Fe=35% to 45%) for deposits of Donimalai Iron Ore Mine is under progress and same will be furnished once the estimation process gets over.”</i> So far this office has not received the information.																													
34(A)	In the Digital Aerial Images submitted under Rule 34(A), it is observed that the processed Drone survey output data submitted to Indian Bureau of Mines does not meet the parameters specified in the SOP for submission of Digital Aerial Images under the said Rule. The deviations in the data submitted is as follows:																													
	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Data type</th> <th>Check Point parameters as per SOP</th> <th>Submitted in proper format (Yes/No)</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Digital Elevation Model (3D) – DSM</td> <td>Resolution 15cm</td> <td>No</td> <td>Resolution 19.16cm</td> </tr> <tr> <td>2</td> <td>Digital Elevation Model (3D) – DTM</td> <td>Resolution 15cm</td> <td>No</td> <td>Resolution 20cm</td> </tr> <tr> <td rowspan="3">3</td> <td rowspan="3">GCPs data</td> <td>.shp in GCS WGS 1984</td> <td>No</td> <td>Submitted in WGS_1984_UTM_Zone_43N</td> </tr> <tr> <td>MS-Excel (co-ordinates DMS)</td> <td>No</td> <td>UTM coordinates submitted</td> </tr> <tr> <td>No. of GCPs</td> <td>43</td> <td>1. GCP_17, 20 & 25 are outside the lease area. 2. In the .shp file named "donimalai_gcp", there are 43 GCP points with UTM coordinates whereas in the annexure it's mentioned about 84 nos of GCP whose data is not available. 3. The details of the permanent GCPs are not mentioned either in .shp file or excel sheet. 4. It is specified in the SOP that the Boundary pillars should not be considered as permanent ground control points. However, submission of .shp file named "lease_pillar_GCP" is not justified.</td> </tr> </tbody> </table>				Sl. No.	Data type	Check Point parameters as per SOP	Submitted in proper format (Yes/No)	Remarks	1	Digital Elevation Model (3D) – DSM	Resolution 15cm	No	Resolution 19.16cm	2	Digital Elevation Model (3D) – DTM	Resolution 15cm	No	Resolution 20cm	3	GCPs data	.shp in GCS WGS 1984	No	Submitted in WGS_1984_UTM_Zone_43N	MS-Excel (co-ordinates DMS)	No	UTM coordinates submitted	No. of GCPs	43	1. GCP_17, 20 & 25 are outside the lease area. 2. In the .shp file named "donimalai_gcp", there are 43 GCP points with UTM coordinates whereas in the annexure it's mentioned about 84 nos of GCP whose data is not available. 3. The details of the permanent GCPs are not mentioned either in .shp file or excel sheet. 4. It is specified in the SOP that the Boundary pillars should not be considered as permanent ground control points. However, submission of .shp file named "lease_pillar_GCP" is not justified.
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			Error in GCP (less than 5 cm)	No	Error in GCP_33: 7.5 cm;
	4	a)actual excavation (mineral and waste),	.shp (UTM in WGS 84)	No	Not submitted
		b)Mineral storage		No	Not submitted
		c)Subgrade dump,		No	Not submitted
		f)Backfilled, reclaimed and rehabilitated area		No	Not submitted
	5	Lease boundary pillar co-ordinates	.shp in GCS and PCS WGS 1984 datum	No	Not submitted
	6	Lease boundary pillar co-ordinates	MS-Excel (co-rdinates in DMS and UTM)	Partly Submitted	Submitted only in DMS. Need to submit UTM coordinates also.
	7	Drone Survey log sheet	Date of Survey	No	Date of survey not mentioned in drone survey log sheet
45 (7)	<p>Total Mineral Resources (Mineral Reserves + Remaining Resources) as per the approved Mining Plan is 148.94MMT (as on 01.04.2020)</p> <p>i. Production reported for the year 2020-2021 is 0.554 MMT and for the year 2021-22 is 5.3164MMT respectively</p> <p>ii. Total Mineral Resources reported in the Annual return submitted for the year 2020-21 2021-2022 is 149 MMT and 134.482 MMT respectively</p> <p>It is not clear that why the Total Mineral Resources quantity come down from 148.94 MMT to 134.482MMT at the end of the year 2021-2022, whereas your total reported production during the year 2020-2021 and 2021-2022 is 5.870915 MMT, you are advised to clarify the same.</p>				

02. In this connection, it is brought to your notice that the above violations constitute an offence punishable under Rule 62 of MCDR, 2017.
03. The mining operations can be suspended under rule 11(2), if compliance of rule 11(1) is not found satisfactory.
04. You are advised to rectify the above violations immediately and intimate the position to this office **within 45 (Forty-Five) days** from the date of issue of this letter.
05. Further, violation of Rule 34(A), you are advised to rectify the above violations immediately and re-submit the data to this office and also to Chief Mining Geologist, Indian Bureau of Mines, Nagpur **within 45 (Forty Five) days** from the date of issue of this letter.

भवदीय/Yours faithfully,

(Dr. Omkesha Murthy. M.G.)
Regional Mining Geologist

Copy for kind information to:

1. The Controller of Mines (SZ), Indian Bureau of Mines, Bangalore.
2. The Director, Dept. of Mines & Geology, 49, Khanij Bhavan, Race Course Road, Bangalore-560001.

Regional Mining Geologist
Indian Bureau of Mines