

**GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES
OFFICE OF THE CHIEF CONTROLLER OF MINES**

No. M-11012/1/2009-CCOM

Nagpur, 14/07/2010

CIRCULAR NO 3/2010

Sub: Exploration within prospecting licences and mining leaseholds of Iron Ore, Chromite, Bauxite, Limestone, Dolomite, Wollastonite, Magnesite and Talc (Steatite/Soapstone) minerals

Consequent to recent directive on threshold values of 12 minerals, notified by IBM vide letter No T-45031/CGBM/2007 dated 16.10.2009, it has become necessary to reassess the reserve/resources of above minerals in respect of which the threshold values have been significantly changed. Therefore the reserve/resources estimation in respect of the following minerals has to be taken up at the respective cut off as given below:

Sl. No.	Name of the mineral	Notified threshold value	Cut off grade suggested
1.	Iron Ore	i) Siliceous ore – 35% Fe ii) Hematitic iron ore (both lumpy & powdery - 45%	45% Fe (Already notified vide circular No 5/2009)
2.	Chromite	Chromite Ore having 10% Cr ₂ O ₃ content	10% Cr ₂ O ₃
3.	Bauxite	i) For aluminous laterite-Al ₂ O ₃ <20% ii) For Bauxite Al ₂ O ₃ -30% & silica (reactive)>5%	For Al Laterite 20% Al ₂ O ₃ . For Bauxite 30% Al ₂ O ₃
4.	Limestone & Dolomite	Limestone i) Deposits in Rajasthan & Gujarat & Central India : CaO 34% (max), MgO-4% ii) Deposits of Jharkhand & Orissa & Southern states : CaO-35% (max) MgO-4%(max), SiO ₂ -18%(max) & Alkalies 0.5% (max) <u>Dolomite</u> -15% (max), SiO ₂ -6% (max), Total Insolubles – 12%(max)	Limestone – CaO 34%, MgO 4% CaO 35%, MgO-4% MgO 15%, SiO ₂ 6% Total insolubles 12%
5.	Wollastonite	Wollastonite content-35%	35% Wollastonite content
6.	Magnesite	For deposits of south Indian states and Uttaranchal state : MgO-35%(min) CaO-3%(max) Fe ₂ O ₃ -3% (max)	MgO 35% CaO 3% Fe ₂ O ₃ 3%

These reserve/resources estimates have to be reassessed and the estimate have to be made afresh in each mineral concession of the respective minerals. The reserve/resources estimates have to be implemented in all prospecting licences and mining leases within a period of 5 years to quantify the reserve/resources under G1/G2 stages of United Nations Framework Classification (UNFC). The quantum of exploration necessary to take up within each such leasehold areas needs to be reassessed and taken up by the prospecting licences within the licensed period and mining lessees within a period of 5 years from the date of issue of this circular.

Contd.2

In the prospecting report, mining plan and mining scheme which are under process of examination with the regional offices or the lessees and all future submission, a time bound proposal for exploration with respective cut off as per UNFC codification shall be incorporated in the document for assessing the reserve/resources without which approval of the concern document shall not be given.

Further the above proposals shall be followed up by IBM during the inspection of prospecting licences and the mining plan /mining scheme to ensure their effective physical implementation.

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Chief Controller of Mines In Charge

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