

4	High & Medium Mixed :	It is a combination of two grades.
5	Medium & low Mixed :	It is a combination of two grades.
6	Granular :	Kyanite in beach sand has been classified as granular type.
7	Kyanite bearing Rocks :	Containing Kyanite (-) 40% Al_2O_3
8	Others :	Estimation for such grade though useable/ marketable but cannot be classified into the above grade.

1.43 Limestone :

As reported by Cement Manufacturer's Association, limestone containing CaO 44 to 52% and MgO not more than 3.5% should be classified under Cement (Portland) grade. Limestone containing 38-44% CaO and up to 5% MgO should be placed under a new grade namely Cement (Blendable/Beneficiable). Keeping these revision in view, the following end use grade classification is recommended.

1.	Cement (Portland)	CaO MgO	44 to 52 3.5% (max.)
2.	Cement (Blendable/ Beneficiable)	CaO MgO	38 % to 44% 5% (max.)
3.	B.F.	CaO MgO SiO ₂ Total Insoluble Alkalies	42% (min.) 6% (max.) 4% (max.) 8-12% 0.4% (max.)
4.	SMS (OH)	CaO MgO SiO ₂	48% (min.) 4% (max.) 4% (max.)
5.	SMS (L.D.)	CaO SiO ₂ MgO Decrepitation Index	52% (min.) 1 % (max.) below 2% (-)15mm 10%
6.	White Cement	CaO Al ₂ O ₃ Fe ₂ O ₃	48% (min.) 1% (max.) 1% (max.)

7.	Chemical	CaO	50% (min.)
		SiO ₂	2% (max.)
		Fe ₂ O ₃	0.25% (max.)
8.	Blendable	i) CaO	34 % min
		MgO	4 % (max.)
		(Limestone deposits in Chhattisgarh, Gujarat, Himachal Pradesh, Madhya Pradesh, Maharashtra, Rajasthan, Uttarakhand and Uttar Pradesh)	
		ii) CaO	35 % (min.)
		MgO	4 % (max.)
		SiO ₂	18 % (max.)
		Alkalies	0.5% (max.)
		(Limestone deposits in Andhra Pradesh, Jharkhand, Karnataka, Kerala, Odisha and Tamil Nadu)	
9.	Paper	As reported by exploration/ exploitation agencies.	
10	Others	Estimation for such grade though useable/ marketable but cannot be classified into the above grade.	
11.	Unclassified	The range of maximum and minimum value of CaO and other constituents are such that it can not be classified under any grades.	
12.	Not known	Such estimation about which information/data is not available/reported to be classify it under any of the grades mentioned above.	

1.44 Magnesite :

It is recommended to continue the present end-use grade classification of magnesite for the purpose of resources classification as below.

(1) High grade : Directly useable for making high grade DBM.

MgO	-	45.5% min.
SiO ₂	-	2.5% max.
CaO	-	1.5% max.

(2) Medium grade : Directly useable for making ordinary DBM.

MgO	-	42.5% min.
SiO ₂	-	2.5% to 4% max.
CaO	-	1.5% max.