

REFRACTORY BED MATERIAL for CFBC Boilers

Our refractory bed material is made out of specially processed high heat duty refractory aggregates of required density. Our bed material has many special characteristics, which make it a perfect material for C.F.B.C. and F.B.C. boilers for obtaining perfect fluidized action. The material is passed through high power magnetic separators to eliminated free iron particles. The material is processed as per BHEL standard; however, the particle size distribution can be given as per specific application.

Special Characteristics:

- Accurate Particle Size Distribution
- Exceptional Chemical Purity
- Fully Screened Material through Classifiers
- High I.D.T. (Initial Deformation Temperature)
- No Formation Clinker
- Low Alkalies
- No Dust Particles
- No Free Iron Particles
- Perfect Density



BED MATERIAL SPECIFICATIONS FOR CFBC BOILER	
CHEMICAL PROPERTIES	
Alumina as Al ₂ O ₃	30% - 40%
Silica as SiO ₂	50-60%
Alkalies Na ₂ O + K ₂ O	Less Than 3%
Iron as Fe ₂ O ₃	Less Than 3.5%
Moisture (H ₂ O)	Less Than 1%
PHYSICAL PROPERTIES	
Bulk Density	1500 - 1800 KG/M ³
Initial Deformation Temperature	> 1300° C
PARTICLE SIZE DISTRIBUTION	
Less than 1mm	100%
Less than 180 to 200 micrometer	80%
Less than 150 to 170 micrometer	50%
Less than 63 micrometer	3%
Note : Other Sizes also available on Request	