

**URANIUM CORPORATION OF INDIA LIMITED**  
**JADUGUDA MINES**

**Annexure-1**  
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Public Tender No. : PUR / 2 / 35 / 10044 / 605  
Item : Barium Hydroxide

**M A T E R I A L   D E T A I L S**

Industrial Grade Barium Hydroxide confirming to IS 6015-1984 (updated 2003).  
Material must be free flowing powder in crystalline form and the size must be less than 1mm. Material must be packed in 25 / 50 kg lined non woven polythene bags.

**Chemical Composition :**

As Ba(OH) <sub>2</sub> 8H <sub>2</sub> O	:	95% by mass (minimum)
Barium Carbonate (as BaCO <sub>3</sub> )	:	2.5% by mass (maximum)
Insoluble in dilute HCl	:	0.04% by mass (maximum)
Chlorides (as Cl)	:	0.06% by mass (maximum)
Iron (as Fe)	:	0.003% by mass (maximum)
Substances not precipitated by H <sub>2</sub> SO <sub>4</sub>	:	0.6% by mass (maximum)
Surface moisture	:	0.5% (maximum)

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