

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

Annexure-1

Public Tender No. : PUR / 2 / 83 / 0968 / 592

Item : Hyper Steel Grinding Ball

**M A T E R I A L   D E T A I L S**

Hyper Steel Grinding Ball for use in Magnetite Mill.

**Material** : Chrome Steel having the following properties / compositions :

Carbon	-	1.6 to 1.9%
Silicon	-	1.0% maximum
Mn	-	1.2 – 1.5% maximum
Cr	-	1.5 – 2.0% maximum
Sulphur & phosphorus	-	0.06 % maximum

**Size** : 30 ± 2 mm diameter

**Hardness** : 375 BHN (approx.)  
**as per IS : 6079 / 1989**