

URANIUM CORPORATION OF INDIA LIMITED
JADUGUDA MINES

Annexure-1
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Public Tender No. : PUR / 2 / 46 / 9205 / 586
Item : H.C Steel Grinding Rod

M A T E R I A L D E T A I L S

Material : High Carbon Steel having the following chemical compositions :

Carbon	-	0.85 to 1.00 %
Manganese	-	0.90 to 1.20 %
Silicon	-	0.15 to 0.25 %
Sulphur & Phosphorus	-	0.04 % maximum

Physical Properties :

Hardness	-	275 BHN minimum
Condition	-	Hot rolled / forged
Tolerance in length	-	+ 0 mm - 05 mm (for 3.70 m length) + 0 mm - 05 mm (for 4.40 m length) + 0 mm - 05 mm (for 3.35 m length)
Straightness	-	Rods must be straight. However tolerance in straightness may be 05 mm maximum for the whole length.

Sizes :

i)	Diameter	-	100 mm
	Length	-	3.70 M
ii)	Diameter	-	100 mm
	Length	-	4.40 M
iii)	Diameter	-	100 mm
	Length	-	3.35 M
