

URANIUM CORPORATION OF INDIA LIMITED
JADUGUDA MINES

Annexure-1
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Public Tender No. : PUR/2/36/0699/1055
Item : 200 NB MSRL ERW PIPES.

SL.NO.	MATERIAL DESCRIPTION	QUANTITY
	200 NB FLANGED END MSRL ERW PIPES 5.0 MTR. LENGTH.	500 NOS.

TECHNICAL SPECIFICATION.

- 1) PIPE: Conforming to:IS 3589 ERW, Fe 330 /ASTM a106 grade B.
Wall thickness: 6.4mm.
Make: Jindal Tubes/ Bansal tube Co / TATA / SAIL.
Party must submit relevant documents regarding purchase of pipes from above manufacturer or their authorized dealers along with test certificate.
 - 2) FLANGE THICKNESS: 16MM DRILLED TO BS 10 TABLE 'D'.
 - i) Tolerance in overall length including rubber lining +0.00mm & -5.00mm.
 - ii) Flanges should be parallel and holes should be collinear.
 - 3) RUBBER LINING:
 - Conforming to IS – 4682
 - Vulcanizing to be done in Autoclave.
 - Joints should be overlap Bevel joints.
 - Lining should be done with calendared sheet.
 - 4) PROPERTIES OF RUBBER: Soft Natural Rubber.
 - Rubber Lining Thickness:- 6mm
 - Hardness: Shore A 40±5°
 - Tensile Strength : 150 to 180 kgf/cm².
 - Elongation:- 500% min.
 - Sp. Gravity: 1.1 to 1.2
 - Ash Content: 11% max.
 - Resilience:- 60 ± 5%
 - Abrasion Resistance:- 100mm³ at 10N as per DIN 53516.
 - Adhesion:- 3.6 kg/cm as per IS 3400 Part V.
 - 5) WORKING PRESSURE: 1.3 MPa.
 - 6) INSPECTION: Party should submit test report of all properties mention in technical specification from Accredited Laboratory by NABL (Govt. of India).Inspection shall include fabrication of Pipes, Hydraulic pressure testing, properties of rubber lining quality by spark testing, through reputed and recognized third party.
 - 7) Painting: Pipes should be painted externally including flanges with one coat of primer and two coats of synthetic enamel smoke grey paint.
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