

URANIUM CORPORATION OF INDIA LIMITED
JADUGUDA MINES

Annexure-1
Page 1 of 3

Public Tender No. : PUR / 2 / 36 / 9022 / 599
Item : MSRL Pipes & Fittings

SL.NO.	MATERIAL DESCRIPTION	QUANTITY
1	MSRL St. pipe pieces, 250 NB x 5 mtrs	80 Nos.
2	MSRL St. pipe pieces, 250 NB x 2 mtrs	10 Nos.
3	MSRL St. pipe pieces, 250 NB x 0.5 mtrs	10 Nos.
4	MSRL bend 90 degree x 1.5 d	4 Nos.
5	MSRL bend 45 degree x 1.5 d	4 Nos.
6	MSRL Straight Pipes, Flanged end, Drilled to ANSI 16.5B, Class 150, Pipe Thickness 6.4mm, size: 200NB x 200mm long	13 Nos
7	MSRL Straight Pipes, Flanged end, Drilled to ANSI 16.5B, Class 150, Pipe Thickness 6.4mm, size: 200NB x 300mm long	15 Nos
8	MSRL Straight Pipes, Flanged end, Drilled to ANSI 16.5B, Class 150, Pipe Thickness 6.4mm, size: 200NB x 500mm long	15 Nos
9	MSRL Straight Pipes, Flanged end, Drilled to ANSI 16.5B, Class 150, Pipe Thickness 6.4mm, size: 200NB x 1000mm long	17 Nos
10	MSRL Straight Pipes, Flanged end, Drilled to ANSI 16.5B, Class 150, Pipe Thickness 6.4mm, size: 200NB x 2000mm long	25 Nos
11	MSRL Straight Pipes, Flanged end, Drilled to ANSI 16.5B, Class 150, Pipe Thickness 6.4mm, size: 200NB x 3000mm long	65 Nos
12	MSRL Straight Pipes, Flanged end, Drilled to ANSI 16.5B, Class 150, Pipe Thickness 6.4mm, size: 200NB x 5000mm long	35 Nos

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TECHNICAL SPECIFICATION FOR 250 NB MSRL PIPES AND BENDS

- 1) MS Pipe should conform to IS:3589 ERW, wall thickness – 6.4 mm
 - 2) Accepted makes of MS pipes : SAIL / TATA / JINDAL / BANSAL
 - 3) Flange details: Thickness 25mm and drilled to ANSI 16.5B, class 150.
 - 4) Tolerance in overall length of straight pipes pieces including rubber lining : + 0.00mm and -5.00 mm.
 - 5) All bends should be smooth.
 - 6) RUBBER LINING :
 - a) Conforming to IS 4682
 - b) Vulcanizing to be done in Autoclave
 - c) Joints should be overlap Bevel joint
 - d) Lining should be done with calendared sheet only.
 - 7) PROPERTIES OF RUBBER : HARD RUBBER
 - a) Rubber lining Thickness: - 6 mm.
 - b) Hardness:- Shore D 75 +/- 5°
 - c) Sp. Gravity – 1.0 to 1.2
 - d) Ash content - 14% max.
 - e) Thickness Tolerance - +/- 10%,
 - 8) TESTING:
 - a) Test reports of above mentioned properties of rubber should be submitted along with supply.
 - b) High frequency spark testing should be carried out for checking continuity of Lining.
 - 9) PAINTING: Pipes and bends should be painted externally including flanges with one coat of red oxide zinc chromate primer and two coats of smoke gray color paint.
 - 10) INSPECTION : Final inspection shall be done at our site.
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Page 3 of 3

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