

तार : यूसील, जादुगोड़ा माइन्स
Cable : UCIL, Jaduguda Mines

PR# List

1. 8/PR208721

यूरेनियम कारपोरेशन ऑफ इंडिया लिमिटेड, जादुगोड़ा

(भारत सरकार का संस्थान)

डाकघर : जादुगोड़ा माइन्स, झारखण्ड-832 102

URANIUM CORPORATION OF INDIA LIMITED

(A Government of India Enterprise)

P.O. Jaduguda Mines, Jharkhand - 832 102

पूछताछ / Enquiry

फोन / Phone : (0657) 2730122
2730222, 2730353

फैक्स / Fax : (0657) 2730322
(0657) 2731332

E-mail : jadpur@uranitmc.in

सेवा में / To

लिफाफे पर यह संदर्भ लिखें

QUOTE THIS REFERENCE ON THE COVER

पूछताछ सं० / Enquiry No. 2/PE191487/8

तारीख / Date 02/01/2020

नियत तारीख / Due Date 27/02/2020

महाशय,

कृपया निम्नलिखित सामान की पूर्ति के लिए दिए गए हमारे पन्ने के दूसरी ओर अनुदेशों के अनुसार अपने भाव भेजें। अपने भाव भंडार "क्रय विभाग" को उपयुक्त पते पर नियत तारीख से पूर्व डाक द्वारा भेजें।

Dear Sir,

Kindly submit your quotation made out as per instruction overleaf for the supply of stores detailed below. The quotation should be posted to the "Purchase Department" at the above address to reach before the due date.

क्रम सं० Sl. No.	सामान का नाम / DESCRIPTION OF STORES	मात्रा QUANTITY
	Please refer the attached annexure for materials' details	
	Note : 1. Please quote your rate in figure and word without overwriting / cutting and submit your offer in duplicate for consideration. 2. FAX OFFER WILL NOT BE ACCEPTED. 3. Your offer should be valid for minimum 90 days. 4. Entire Bank charges, if any will be borne by you. 5. Our terms of payment will be full within 30 days from the date of Receipt & acceptance of materials.	

अनुलग्नक

Enclosures

Specification, Drawings,

List of materials &

Annexure : 1, 2 & 3.

CC To:

File

भवदीय / Yours faithfully

कृते यूरेनियम कारपोरेशन ऑफ इंडिया लिमिटेड

For URANIUM CORPORATION OF INDIA LIMITED

AKHIL RAJ

Annexure-A for PE# 2/PE191487/8

Sl.No.	Material Code	Material Description	Quantity	Unit
1	800036303017	MSRL Straight Pipe Flange Drilled to ANSI B 16.5 Class 150 ; Size: 80NB, Length: 200mm	10	Number
2	800036303018	MSRL Straight Pipe Flange Drilled to ANSI B 16.5 Class 150 ; Size: 80NB, Length: 250mm	10	Number
3	800036303019	MSRL Straight Pipe Flange Drilled to ANSI B 16.5 Class 150 ; Size: 80NB, Length: 300mm	10	Number
4	800036303020	MSRL Straight Pipe Flange Drilled to ANSI B 16.5 Class 150 ; Size: 80NB, Length: 400mm	10	Number
5	800036303021	MSRL Straight Pipe Flange Drilled to ANSI B 16.5 Class 150 ; Size: 80NB, Length: 500mm	10	Number
6	800036303022	MSRL Straight Pipe Flange Drilled to ANSI B 16.5 Class 150 ; Size: 80NB, Length: 1000mm	10	Number
7	800036303023	MSRL Straight Pipe Flange Drilled to ANSI B 16.5 Class 150 ; Size: 80NB, Length: 2000mm	10	Number
8	800036303024	MSRL Straight Pipe Flange Drilled to ANSI B 16.5 Class 150 ; Size: 80NB, Length: 3000mm	10	Number
9	800036303193	MSRL 90 DEG.BEND, R=1.5D BOTH END FLANGE DRILLED TO ANSI B 16.5, CLASS 150 AS PER DRG.NO: UCT-2/MECH/PIPE/32; SIZE-80NB	10	Number
10	800036303202	MSRL 90 DEG.BEND, R=3D BOTH END FLANGE DRILLED TO ANSI B 16.5, CLASS 150 AS PER DRG.NO: UCT-2/MECH/PIPE/32; SIZE-80NB	10	Number
11	800036303854	MSRL FLANGED TEES AS PER DRG.NO: UCT-2/MECH/PIPE/144; RUN PIPE (DN1):80 NB; BR PIPE (DN2): 50 NB	10	Number
12	800036303856	MSRL FLANGED TEES AS PER DRG.NO: UCT-2/MECH/PIPE/144; RUN PIPE (DN1):80 NB; BR PIPE (DN2): 50 NB	10	Number

**** DETAILS AS PER DRAWINGS & SPECIFICATION ATTACHED.**

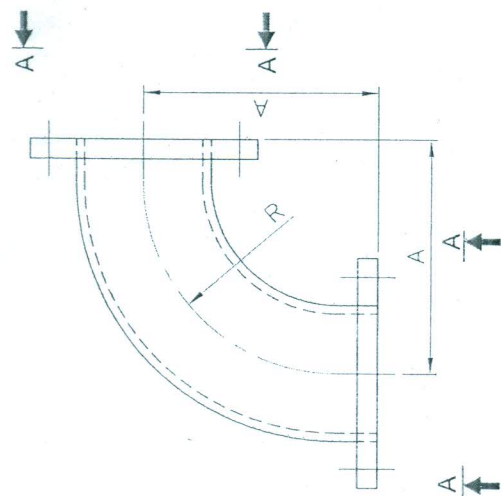
- Bidder should submit their offer as per terms & conditions given under Annexure 1, 2 & 3(ANNEXURE -1(Pre-Qualification Part) ,ANNEXURE-2(Technocommercial Cum Price Part) & Annexure -3 (Pre-Qualification Criteria))
- Please do not send your offer in hard copy. Bidder should submit their offer through our website i.e. www.uraniumcorp.in or www.tenderwizard.com/UCILEPROC only.

(Akhil Raj)
Addl.Suptd (Mech/Purchase)

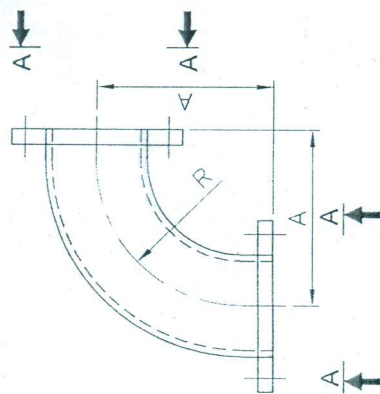
TECHNICAL SPECIFICATION FOR SOFT LINED MSRL PIPES

MS Pipe	: Confirming to IS 1239 Part – I 1973, Medium duty
Flange Thickness	: 16 mm drilled to ANSI B 16.5 Class 150 Tolerance in overall length including rubber lining +0.00 mm - 5.00 mm Flanges should be parallel and holes should be collinear
Rubber Lining	: Confirming to IS 4682, Vulcanization should be done in autoclave, joints should be overlapped with bevel joints and lining should be done with calendared sheet
Properties of Rubber	: SOFT NATURAL RUBBER Rubber lining thickness – 4.5 mm Hardness : Shore A $40 \pm 5^\circ$ Tensile Strength – 150 to 180 Kg/cm ² Elongation – 450% min. Sp. Gr. : 1.1 to 1.2 Ash Content : 11 % Max Abrasion Resistance – 100 mm ² max at 10 N as per DIN 53516 Adhesion : 3.6 kg/cm as per IS : 3400 Part V
Test Report	: Test reports of above mentioned properties of rubber should be provided along with each supply. High frequency spark test should be carried out for checking continuity of lining.
Painting	: Pipes should be painted externally including flanges with one coat of Red Oxide Zinc Chromate Primer & two coats of synthetic enamel golden yellow paint of 1 st quality – “BERGER “ MAKE
Inspection	: 1) Final Inspection shall be done at our site 2) It include fabrication of pipes, Hydraulic Pressure testing, Properties of rubber, rubber lining quality by spark testing, visual.
Guarantee	: The MSRL Pipes shall be guaranteed for a period of 12 months from the date of receipt against failure of Rubber lining / MS Pipes.

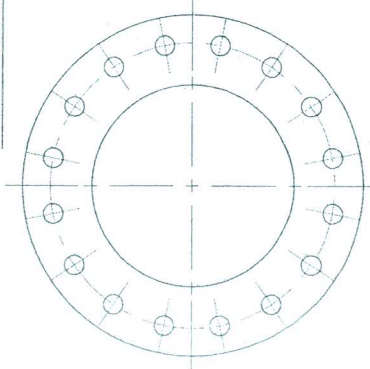




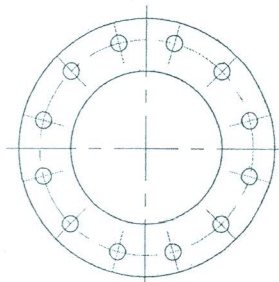
ELBOW FLG. (R=3D)



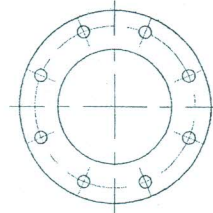
ELBOW FLG. (R=1.5D)



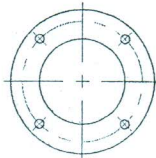
VIEW - A - A
FLANGES FOR PIPES
FROM 400 NB & ABOVE



VIEW - A - A
FLANGES FOR PIPES
FROM 250 TO 350 NB



VIEW - A - A
FLANGES FOR PIPES
FROM 100 TO 200 NB



VIEW - A - A
FLANGES FOR PIPES
UP TO 80 NB

PIPE SIZE	THICKNESS
200 NB	4.5
250 NB	5.0
300 NB	5.6
400 NB	6.35

TABLE - A

PIPE	ELBOW FLG. (1.5 DIA)		ELBOW FLG. (3 DIA)	
	R	A	R	A
50 NB	76	96	152	195
65 NB	95	118	101	234
80 NB	114	138	229	254
90 NB	133	137	-	-
100 NB	152.4	177	305	324
125 NB	190.5	215	301	404
150 NB	228.6	254	457	470
200 NB	304.8	334	610	634
250 NB	381	412	762	789
300 NB	457.2	489	914	944
350 NB	533.4	569	1067	1099
400 NB	610	647	1219	1254

Properties of soft natural rubber

Rubber Lining Thickness - 50-80 NB 3.5 mm
 Rubber Lining Thickness - 90-125 NB 4.5 mm
 Rubber Lining Thickness - 150-400 NB 6 mm
 Hardness : Shore A 40±5°
 Tensile Strength : 150 -180 kgf/cm²
 Sp. Gr. : 1.0 to 1.1
 Elongation : 450 % Min.
 Ash Content : 11% Max.
 Resilience : 60±5 %
 Abrasion Resistance : 65 mm³ at 10 N as per DIN 53516
 Adhesion : 3.6 Kg/CM as per IS:3400 Part V

NOTE:- 1. LINING CONFIRMING TO IS:4682.
 2. VALCANISING SHOULD BE DONE IN AUTOCLAVE.
 3. LINING SHOULD BE DONE WITH CALANDERED SHEET
 4. FINAL INSPECTION WILL BE DONE AT OUR SITE.

NOTE :- 1. ALL FLANGES ARE AS PER ANSI-B16.5, 150. FLAT FACE UNLESS OTHERWISE STATED.
 2. ALL FLANGES BOLT HOLES ARE EQUALLY SPACED.
 3. BENDS ARE TO BE MADE FROM ERW PIPES AS PER IS:1239-1 HEAVY GRADE UPTO 150 NB FOR SIZE 200 NB AND ABOVE FROM ERW PIPES AS PER IS:3589 WITH THICKNESS AS PER TABLE - A
 4. ALL THE DIMENSIONS ARE EXCLUDING RUBBER LINING THICKNESS.

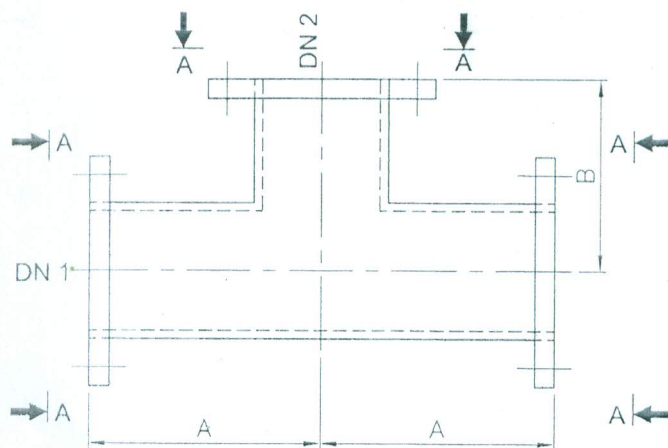


URANIUM CORPORATION OF INDIA LTD. TURAMDIH MINES
 (A GOVT. OF INDIA ENTERPRISE, DEPT. OF ATOMIC ENERGY)

MATERIAL :- M.S. RL

DRN.	Rajesh	03.09.11	TITLE
CHECKED	Anishkant		
APPROVED			90° BEND
SCALE - NTS			
DIMENSIONS IN MM			
DRG.NO.- UCT-2/MECH/PIPE/32			REV.- 2

2	SKG	03.06.16	RUBBER PROPERTY CHANGED
1	NKN	01.05.14	HOLE DIRECTION CHANGED
REV.	REV.BY	DATE	DESCRIPTION

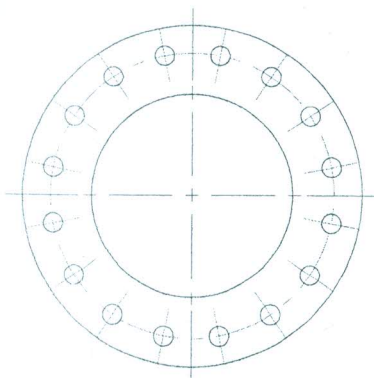


FLANGED TEE

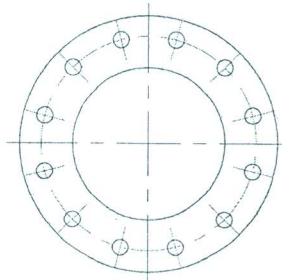
Properties of soft natural rubber
 Rubber Lining Thickness - 25-80 NB 3.5 mm
 Rubber Lining Thickness - 90-125 NB 4.5 mm
 Rubber Lining Thickness - 150 NB & Above 6 mm
 Hardness : Shore A 40±5°
 Tensile Strength : 150 -180 kgf/cm²
 Sp. Gr. : 1.0 to 1.1
 Elongation : 450 % Min.
 Ash Content : 11% Max.
 Resilience : 60±5 %
 Abrasion Resistance : 65 mm³ at 10 N as per DIN 53516
 Adhesion : 3.6 Kg/CM as per IS:3400 Part V

PIPE SIZE	THICKNESS
200 NB	4.5
250 NB	5.0
300 NB	5.6
400 NB	6.35

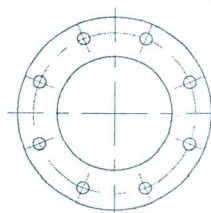
TABLE -A



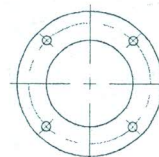
VIEW - A - A
 FLANGES FOR PIPES
 FROM 400 NB & ABOVE



VIEW - A - A
 FLANGES FOR PIPES
 FROM 250 TO 350 NB



VIEW - A - A
 FLANGES FOR PIPES
 FROM 100 TO 200 NB



VIEW - A - A
 FLANGES FOR PIPES
 UP TO 80 NB

RUN PIPE DN 1	BR. PIPE DN 2	A	B	RUN PIPE DN 1	BR. PIPE DN 2	A	B
25 NB	25 NB	94	94	125 NB	50 NB	150	165
40 NB	25 NB	94	104		80 NB	144	169
50 NB	40 NB	104	104		100 NB	169	179
	25 NB	94	119	300 NB	125 NB	194	194
	40 NB	104	119		100 NB	169	294
65 NB	50 NB	119	119		150 NB	219	294
	40 NB	104	134	350 NB	200 NB	269	294
	50 NB	119	134		250 NB	324	294
80 NB	65 NB	134	134		300 NB	374	374
	50 NB	119	144	400 NB	150 NB	219	344
	65 NB	134	144		200 NB	269	344
100 NB	80 NB	144	144		250&300 NB	DN2+74	344
	50 NB	119	169	450 NB	350 NB	424	424
	65 NB	134	169		150 NB	219	374
150 NB	80 NB	144	169		200 NB	269	374
	100 NB	169	169	500 NB	250&350 NB	DN2+74	374
	65 NB	134	179		400 NB	474	474
200 NB	80 NB	144	179		150 NB	219	394
	100 NB	169	179	600 NB	200 NB	269	394
	125 NB	225	250		250&400 NB	DN2+74	394
250 NB	150 NB	219	219		450 NB	474	474
	50 NB	144	224	500 NB	150 NB	219	419
	80 NB	144	224		200 NB	269	419
250 NB	100 NB	169	224		250&450 NB	DN2+74	419
	150 NB	219	224	600 NB	500 NB	574	574
	200 NB	269	269		150 NB	219	474
250 NB	100 NB	169	264		200 NB	269	474
	150 NB	219	264		250&500 NB	DN2+74	474
	200 NB	269	264		600 NB	674	674
	250 NB	324	324				

- Note 1. Lining confirming to IS 4682.
 2. Vulcanising should be done in autoclave.
 3. Lining should be done with calandered sheet.
 4. Final inspection will be done at our site.
 NOTE :- 1. ALL FLANGES ARE AS PER ANSI-B16.5, 150. FLAT FACE UNLESS OTHERWISE STATED.
 2. ALL FLANGES BOLT HOLES ARE EQUALLY SPACED.
 3. TEE ARE TO BE MADE FROM ERW PIPES AS PER IS:1239-1 HEAVY GRADE UPTO 150 NB FOR SIZE 200 NB AND ABOVE FROM ERW PIPES AS PER IS:3589 WITH THICKNESS AS PER TABLE - A
 4. ALL THE DIMENSIONS ARE EXCLUDING RUBBER LINING THICKNESS.

MATERIAL :- M.S. RL



URANIUM CORPORATION OF INDIA LTD. TURAMDHIH MINES
 (A GOVT. OF INDIA ENTERPRISE, DEPT. OF ATOMIC ENERGY)

2	SKG	03.06.16	RUBBER PROPERTY CHANGED
1	NKN	01.05.14	HOLE DIRECTION CHANGED
REV.	REV.BY	DATE	DESCRIPTION

DRN.	Rajesh	02.11.13
CHECKED	N.K. Nayak	
APPROVED	MKS	
SCALE - NTS		
DIMENSIONS IN MM		

TITLE	FLANGED TEE
DRG.NO.- UCT-2/MECH/PIPE/144	REV.- 2