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MATERIAL - MSRL

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

DRN.	Rajesh	9.02.19	TITLE
CHECKED	P.S. Majhi		
APPROVED			
SCALE - NTS			
DIMENSIONS IN MM			
DRG. NO. - UCT-1B/MECH/PIPE/58 B			REV. 0

SL NO	DESCRIPTION	FLANGE - X				FLANGE - Y			
		O.D.	P.C.D.	T	I.D.	O.D.	P.C.D.	T	I.D.
1	200 x 150 MSRL REDUCER	345	298	25	AS PER 200 NB PIPE	338	292	25	AS PER 150 NB PIPE
2	200 x 100 MSRL REDUCER	345	298	25	AS PER 200 NB PIPE	280	235	25	AS PER 100 NB PIPE

- Note
1. Reducer are to be made from ERW pipes as per IS:3589 with thickness as table - A
 2. All flanges, bolt holes as per ANSI-16.5, 150 flat face unless otherwise stated.
 3. Lining conforming to IS 4682.
 4. Vulcanising should be done in autoclave.
 5. Lining should be done with calandered sheet.
 6. Final inspection will be done at our site.

Properties of soft natural rubber	
Rubber Lining Thickness - 6mm	Hardness : Shore A 40±5°
Tensile Strength : 150 -180 kgf/cm ²	Sp. Gr. : 1.1 to 1.2
Elongation : 450 % Min.	Ash Content : 7% Max.
Resilience : 60±5 %	Abrasion Resistance : 65 mm ³ at 10 N as per DIN 53516
Adhesion : 3.6 Kg/CM as per IS:3400 Part V	

PIPE SIZE	200 NB
THICKNESS	6.35

TABLE -A

