OIL INDIA LIMITED
(A Govt. Of India Enterprise) Tel :033 2230 1657, 1658
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Kolkata-700001 E-mail :oilcalmn@oilindia.in

Tender No. & Date : KID4123L17/05 15.03.2017

Bid Security Amount : INR 0.00 OR USD 0.00
(or equivalent Amount in any currency)

Bidding Type : Single Bid (Composite Bid)

Bid Closing On : 02.05.2017 at 14:00 hrs. (IST)
Bid Opening On : 02.05.2017 at 14:00 hrs. (IST)

Performance Guarantee : Applicable

OIL INDIA LIMITED invites Limited tenders for items detailed below:

Item No./ Mat. Code	Material Description	Quantity	UOM
10 99068421	LR ELBOW 90 Deg, 50 mm NB, 423 kg/sq.cm Long radius 90 DEG, Butt-welding, Seamless Elbow manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPC Working pressure: 423 kg/sq.cm (6000 psi) Nominal pipe size (NPS) = 50 mm (2 inch) Outside Dia :60.3 mm (2.3/8 inch) Center to End Distance: 76 mm Elbow should be suitable for welding to 60.3 mm (2.3/8 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 11.07 mm (0.436 inch).	115	NO
20 99068422	LR ELBOW 90 Deg, 65 mm NB, 423 kg/sq.cm Long radius 90 DEG, Butt-welding, Seamless Elbow manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPC Working pressure: 423 kg/sq.cm (6000 psi) Nominal pipe size (NPS) = 65 mm (2.1/2 inch) Outside Dia :73.0 mm (2.7/8 inch) Center to End Distance: 95 mm Elbow should be suitable for welding to 73.0 mm (2.7/8 inch) OD, API 5L Grade X-46, Bevel End pipe having Wall thickness of 14.02 mm (0.552 inch).	60	NO
30 99068423	LR ELBOW 90 Deg, 100 mm NB, 423 kg/sq.cm Long radius 90 DEG, Butt-welding, Seamless Elbow manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPC Working pressure: 423 kg/sq.cm (6000 psi) Nominal pipe size (NPS) = 100 mm (4 inch) Outside Dia :114.3 mm (4.1/2 inch)	75	NO

Tender No. & Date : KID4123L17/05 15.03.2017

Item No./ Mat. Code	Material Description	Quantity	UOM
	Center to End Distance: 152 mm Elbow should be suitable for welding to 114.3 mm (4.1/2 inch) OD, API 5L Grade-60, Bevel End pipe having Wall thickness of 11.13 mm (0.438 inch).		
40 99068424	LR ELBOW 45 Deg, 50 mm NB, 423 kg/sq.cm Long radius 90 DEG, Butt-welding, Seamless Elbow manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPC Working pressure: 423 kg/sq.cm (6000 psi) Nominal pipe size (NPS) = 50 mm (2 inch) Outside Dia :60.3 mm (2.3/8 inch) Center to End Distance: 35 mm Elbow should be suitable for welding to 60.3 mm (2.3/8 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 11.07 mm (0.436 inch).	60	NO
50 99068425	LR ELBOW 45 Deg, 65 mm NB, 423 kg/sq.cm Long radius 45 DEG, Butt-welding, Seamless Elbow manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPC Working pressure: 423 kg/sq.cm (6000 psi) Nominal pipe size (NPS) = 65 mm (2.1/2 inch) Outside Dia :73.0 mm (2.7/8 inch) Center to End Distance: 44 mm Elbow should be suitable for welding to 73.0 mm (2.7/8 inch) OD, API 5L Grade X-46, Bevel End pipe having Wall thickness of 14.02 mm (0.552 inch).	50	NO
60 99068426	LR ELBOW 45 Deg, 100 mm NB, 423 kg/sq.cm Long radius 45 DEG, Butt-welding, Seamless Elbow manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPC Working pressure: 423 kg/sq.cm (6000 psi) Nominal pipe size (NPS) = 100 mm (4 inch) Outside Dia :114.3 mm (4.1/2 inch) Center to End Distance: 64 mm Elbow should be suitable for welding to 114.3 mm (4.1/2 inch) OD, API 5L Grade-60, Bevel End pipe having Wall thickness of 11.13 mm (0.438 inch).	200	NO
70 99068427	LR ELBOW 90 Deg, 50 mm NB, 210 kg/sq.cm Long radius 90 Deg, Butt-welding, Seamless Elbow manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 210 kg/sq.cm (3000 psi) Nominal pipe size (NPS) = 50 mm (2 inch)	70	NO

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Item No./ Mat. Code	Material Description	Quantity	UOM
	Outside Dia :60.3 mm (2.3/8 inch) Center to End Distance: 76 mm Elbow should be suitable for welding to 60.3 mm (2.3/8 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 5.54 mm (0.218 inch).		
80 99068428	LR ELBOW 90 Deg, 100 mm NB, 210 kg/sq.cm Long radius 90 Deg, Butt-welding, Seamless Elbow manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 210 kg/sq.cm (2000 psi) Nominal pipe size (NPS) = 100 mm (4 inch) Outside Dia :114.3 mm (4.1/2 inch) Center to End Distance: 152 mm Elbow should be suitable for welding to 114.3 mm (4.1/2 inch) OD, API 5L Grade-46, Bevel End pipe having Wall thickness of 7.14 mm (0.281 inch).	230	NO
90 99068429	LR ELBOW 45 Deg, 100 mm NB, 210 kg/sq.cm Long radius 45 Deg, Butt-welding, Seamless Elbow manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 210 kg/sq.cm (3000 psi) Nominal pipe size (NPS) = 100 mm (4 inch) Outside Dia :114.3 mm (4.1/2 inch) Center to End Distance: 64 mm Elbow should be suitable for welding to 114.3 mm (4.1/2 inch) OD, API 5L Grade-46, Bevel End pipe having Wall thickness of 7.14 mm (0.281 inch).	60	NO
100 99068430	LR ELBOW 90 Deg, 150 mm NB, 70 kg/sq.cm Long radius 90 Deg, Butt-welding, Seamless Elbow manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) = 150 mm (6 inch) Outside Dia :168.3 mm (6.5/8 inch) Center to End Distance: 229 mm Elbow should be suitable for welding to 168.3 mm (6.5/8 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 7.11 mm (0.280 inch).	60	NO
110 99068431	LR ELBOW 90 Deg, 200 mm NB, 70 kg/sq.cm Long radius 90 Deg, Butt-welding, Seamless Elbow manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) = 200 mm (8 inch)	60	NO

Tender No. & Date : KID4123L17/05 15.03.2017

Item No./ Mat. Code	Material Description	Quantity	UOM
	Outside Dia :219.1 mm (8.5/8 inch) Center to End Distance: 305 mm Elbow should be suitable for welding to 219.1 mm (8.5/8 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 7.04 mm (0.277 inch).		
120 99068432	"Long radius 90 DEG butt welded elbows as per ANSI B 16.9 std. (latest edition) Material # ASTM A 234 Gr WPB Working pressure # 210 kg/cm2 (3000 psi) Nominal pipe size (NPS) = 10 inch (250 MM)"	20	NO
130 99068433	LR ELBOW 90 Deg, 300 mm NB, 70 kg/sq.cm Long radius 90 Deg, Butt-welding, Seamless Elbow manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) = 300 mm (12 inch) Outside Dia :323.9 mm (12.3/4 inch) Center to End Distance: 457 mm Elbow should be suitable for welding to 323.9 mm (12.3/4 inch) OD, API 5L Grade-A, Bevel End pipe having Wall thickness of 8.40 mm (0.330 inch).	20	NO
140 99068434	LR ELBOW 90 Deg, 400 mm NB, 70 kg/sq.cm Long radius 90 Deg, Butt-welding, Seamless Elbow manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) = 400 mm (16 inch) Outside Dia :406.4 mm (16 inch) Center to End Distance: 610 mm Elbow should be suitable for welding to 406.4 mm (16 inch) OD, API 5L Grade-46, Bevel End pipe having Wall thickness of 7.92 mm (0.312 inch).	40	NO
150 99068435	LR ELBOW 45 Deg, 150 mm NB, 70 kg/sq.cm Long radius 45 Deg, Butt-welding, Seamless Elbow manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) = 150 mm (6 inch) Outside Dia :168.3 mm (6.5/8 inch) Center to End Distance: 95 mm Elbow should be suitable for welding to 168.3 mm (6.5/8 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 7.11 mm (0.280 inch).	40	NO
160 99068436	LR ELBOW 45 Deg, 200 mm NB, 70 kg/sq.cm Long radius 45 Deg, Butt-welding, Seamless Elbow manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition):	25	NO

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Item No./ Mat. Code	Material Description	Quantity	UOM
	Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) = 200 mm (8 inch) Outside Dia :219.1 mm (8.5/8 inch) Center to End Distance: 127 mm Elbow should be suitable for welding to 219.1 mm (8.5/8 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 7.04 mm (0.277 inch).		
170 99068437	LR ELBOW 45 Deg, 250 mm NB, 70 kg/sq.cm Long radius 45 Deg, Butt-welding, Seamless Elbow manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) = 250 mm (10 inch) Outside Dia :273.0 mm (10.3/4 inch) Center to End Distance: 159 mm Elbow should be suitable for welding to 273.0 mm (10.3/4 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 7.80 mm (0.307 inch).	20	NO
180 99068438	LR ELBOW 45 Deg, 300 mm NB, 70 kg/sq.cm Long radius 45 Deg, Butt-welding, Seamless Elbow manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) = 300 mm (12 inch) Outside Dia :323.9 mm (12.3/4 inch) Center to End Distance: 190 mm Elbow should be suitable for welding to 323.9 mm (12.3/4 inch) OD, API 5L Grade-A, Bevel End pipe having Wall thickness of 8.40 mm (0.330 inch).	20	NO
190 99068439	LR ELBOW 45 Deg, 400 mm NB, 70 kg/sq.cm Long radius 45 Deg, Butt-welding, Seamless Elbow manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) = 400 mm (16 inch) Outside Dia :406.4 mm (16 inch) Center to End Distance: 254 mm Elbow should be suitable for welding to 406.4 mm (16 inch) OD, API 5L Grade-46, Bevel End pipe having Wall thickness of 7.92 mm(0.312 inch).	30	NO
200 99083739	STRAIGHT (EQUAL) TEE, 50 mm NB, 423 kg/sq.cm Straight(Equal) Tee, Seamless, Butt-welding, manufactured as per ANSI B 16.9 std. (latest edition) and Butt welding ends confirming to ANSI B 16.25(latest edition)	80	NO

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Item No./ Mat. Code	Material Description	Quantity	UOM
	Material: ASTM A 234 WPC Working pressure: 423 kg/sq. cm (6000 psi) Nominal pipe size (NPS) = 50 mm (2 inch) X 50 mm (2 inch) X 50 mm (2 inch) Center to End Distance (Run & Outlet): 64 mm Tee should be suitable for welding to 60.3 mm (2.3/8 inch) OD, API 5L GradeB, Bevel End pipe having Wall thickness of 11.07 mm (0.436 inch).		
210 99068440	STRAIGHT (EQUAL) TEE, 100 mm NB, 423 kg/sq.cm Straight (Equal) Tee, Seamless, Butt-welding, manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPC Working pressure: 423 kg/sq. cm (6000 psi) Nominal pipe size (NPS) = 100 mm (4 inch) X 100 mm (4 inch) X 100 mm (4inch) Center to End Distance (Run & Outlet): 105 mm Tee should be suitable for welding to 114.3 mm (4.1/2 inch) OD, API 5L Grade-60, Bevel End pipe having Wall thickness of 11.13 mm (0.438 inch).	60	NO
220 99068445	STRAIGHT (EQUAL) TEE, 100 mm NB, 210 kg/sq.cm Straight (Equal) Tee, Seamless, Butt-welding, manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 210 kg/sq.cm (3000 psi) Nominal pipe size (NPS) = 100 mm (4 inch) X 100 mm (4 inch) X 100 mm (4 inch) Center to End Distance (Run & Outlet): 105 mm Tee should be suitable for welding to 114.3 mm (4.1/2 inch) OD, API 5L Grade-46, Bevel End pipe having Wall thickness of 7.14 mm (0.281 inch).	45	NO
230 99068441	STRAIGHT (EQUAL) TEE, 150 mm NB, 70 kg/sq.cm Straight (Equal) Tee, Seamless, Butt-welding, manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) = 150 mm (6 inch) X 150 mm (6 inch) X 150 mm (6 inch) Center to End Distance (Run & Outlet): 143 mm Tee should be suitable for welding to 168.3 mm (6.5/8 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 7.11 mm (0.280 inch).	25	NO
240 99068442	STRAIGHT (EQUAL) TEE, 200 mm NB, 70 kg/sq.cm Straight (Equal) Tee, Seamless, Butt-welding, manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition):	25	NO

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Item No./ Mat. Code	Material Description	Quantity	UOM
	Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) = 200 mm (8 inch) X 200 mm (8 inch) X 200 mm (8 inch) Center to End Distance (Run & Outlet): 178 mm Tee should be suitable for welding to 219.1 mm (8.5/8 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 7.04 mm (0.277 inch).		
250 99068443	STRAIGHT (EQUAL) TEE, 250 mm NB, 70 kg/sq.cm Straight (Equal) Tee, Seamless, Butt-welding, manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) = 250 mm (10 inch) X 250 mm (10 inch) X 250 mm (10 inch) Center to End Distance (Run & Outlet): 216 mm Tee should be suitable for welding to 273.0 mm (10.3/4 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 7.80 mm (0.307 inch).	20	NO
260 99068444	STRAIGHT (EQUAL) TEE, 300 mm NB, 70 kg/sq.cm Straight (Equal) Tee, Seamless, Butt-welding, manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) = 300 mm (12 inch) X 300 mm (12 inch) X 300 mm (12 inch) Center to End Distance (Run & Outlet): 254 mm Tee should be suitable for welding to 323.9 mm (12.3/4 inch) OD, API 5L Grade-A, Bevel End pipe having Wall thickness of 8.40 mm (0.330 inch).	20	NO
270 99074875	STRAIGHT (EQUAL) TEE, 400 mm NB, 70 kg/sq.cm Straight (Equal) Tee, Seamless, Butt-welding, manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) =400 mm (16 inch) X 400 mm (16 inch) X 400 mm (16 inch) Center to End Distance (Run & Outlet): 305 mm Tee should be suitable for welding to 406.4 mm (16 inch) OD, API 5L Grade-46, Bevel End pipe having Wall thickness of 7.92 mm (0.312inch).	20	NO
280 99068446	REDUCING OUTLET (UNEQUAL) TEE, 150mm x 150mm x 100mm, 70 kg/sq.cm Reducing Outlet (Unequal) Tee, Seamless, Butt-welding, manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends	55	NO

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Item No./ Mat. Code	Material Description	Quantity	UOM
	confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) = 150 mm (6 inch) X 150 mm (6 inch) X 100 mm (4 inch) Center to End Distance at Run: 143 mm Center to End Distance at Outlet: 130 mm Tee should be suitable for welding to the pipes having following specification: a) 168.3 mm (6.5/8 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 7.11 mm (0.280 inch) at two (straight) ends. b) 114.3 mm (4.1/2 inch) OD, API 5L Grade-46, Bevel End pipe having Wall thickness of 7.14 mm (0.281 inch) at one (unequal) end.		
290 99068447	REDUCING OUTLET (UNEQUAL) TEE, 200mm x 200mm x 150mm, 70kg/sq.cm Reducing Outlet (Unequal) Tee, Seamless, Butt-welding, manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) = 200 mm (8 inch) X 200 mm (8 inch) X 150 mm (6 inch) Center to End Distance at Run: 178 mm Center to End Distance at Outlet: 168 mm Tee should be suitable for welding to the pipes having following specification: a) 219.1 mm (8.5/8 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 7.04 mm (0.277 inch) at two (straight) ends. b) 168.3 mm (6.5/8 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 7.11 mm (0.280 inch) at one (unequal) end.	25	NO
300 99068448	REDUCING OUTLET (UNEQUAL) TEE, 250mm x 250mm x 200mm, 70 kg/sq.cm Reducing Outlet (Unequal) Tee, Seamless, Butt-welding, manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) = 250 mm (10 inch) X 250 mm (10 inch) X 200 mm (8 inch) Center to End Distance at Run: 216 mm Center to End Distance at Outlet: 203 mm	20	NO

Tender No. & Date : KID4123L17/05 15.03.2017

Item No./ Mat. Code	Material Description	Quantity	UOM
	Tee should be suitable for welding to the pipes having following specification: a) 273.0 mm (10.3/4 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 7.80 mm (0.307 inch) at two (straight) ends. b) 219.1 mm (8.5/8 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 7.04 mm (0.277 inch) at one (unequal) end.		
310 99068455	REDUCERS (CONCENTRIC), 65mm x 50mm, 423 kg/sq.cm Concentric Reducer, seamless, Butt-welding, manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPC Working pressure: 423 kg/cm2 (6000 psi) Nominal pipe size (NPS) = 65 mm (2.1/2 inch) x 50 mm (2 inch) End to End Distance: 89 mm Reducer should be suitable for welding to the pipes having following specification: a) 73.0 mm (2.7/8 inch) OD, API 5L Grade X-46, Bevel End pipe having Wall thickness of 14.02 mm (0.552 inch) at one end. b) 60.3 mm (2.3/8 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 11.07 mm (0.436 inch) at the other end.	100	NO
320 99068454	REDUCERS (CONCENTRIC), 100mm x 65mm, 423 kg/sq.cm Concentric Reducer, seamless, Butt-welding, manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPC Working pressure: 423 kg/cm2 (6000 psi) Nominal pipe size (NPS) = 100 mm (4 inch) x 65 mm (2.1/2 inch) End to End Distance: 102 mm Reducer should be suitable for welding to the pipes having following specification: a) 114.3 mm (4.1/2 inch) OD, API 5L Grade-60, Bevel End pipe having Wall thickness of 11.125 mm (0.438 inch) at one end. b) 73.0 mm (2.7/8 inch) OD, API 5L Grade X-46, Bevel End pipe having Wall thickness of 14.02 mm (0.552 inch) at the other end.	40	NO
330 99068456	REDUCERS (CONCENTRIC), 100mm x 50mm, 423 kg/sq.cm Concentric Reducer, seamless, Butt-welding, manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition):	120	NO

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Item No./ Mat. Code	Material Description	Quantity	UOM
	Material: ASTM A 234 WPC Working pressure: 423 kg/cm2 (6000 psi) Nominal pipe size (NPS) = 100 mm (4 inch) x 50 mm (2 inch) End to End Distance: 102 mm Reducer should be suitable for welding to the pipes having following specification: a) 114.3 mm (4.1/2 inch) OD, API 5L Grade-60, Bevel End pipe having Wall thickness of 11.125 mm (0.438 inch) at one end. b) 60.3 mm (2.3/8 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 11.07 mm (0.436 inch) at the other end.		
340 99068451	REDUCERS (CONCENTRIC), 100mm x 50mm, 210 kg/sq.cm Concentric Reducer, Seamless, Butt-welding, manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 210 kg/sq.cm (3000 psi) Nominal pipe size (NPS) = 100 mm (4 inch) x 50 mm (2 inch) End to End Distance: 102 mm	80	NO
350 99068450	REDUCERS (CONCENTRIC), 150mm x 100mm, 210 kg/sq.cm Concentric Reducer, Seamless, Butt-welding, manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 210 kg/sq.cm (3000 psi) Nominal pipe size (NPS) = 150 mm (6 inch) x 100 mm (4 inch) End to End Distance: 140 mm	30	NO
360 99068449	REDUCERS (CONCENTRIC), 200mm x 150mm, 70 kg/sq.cm Concentric Reducer, Seamless, Butt-welding, manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) = 200 mm (8 inch) x 150 mm (6 inch) End to End Distance: 152 mm Reducer should be suitable for welding to the pipes having following specification: a) 219.1 mm (8.5/8 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 7.04 mm (0.277 inch) at one end. b) 168.3 mm (6.5/8 inch) OD, API 5L Grade-B, Bevel End pipe having Wall	35	NO

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Item No./ Mat. Code	Material Description	Quantity	UOM
	thickness of 7.11 mm (0.280 inch) at the other end.		
370 99068452	REDUCERS (CONCENTRIC), 250mm x 200mm, 70 kg/sq.cm Concentric Reducer, Seamless, Butt-welding, manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) = 250 mm (10 inch) x 200 mm (8 inch) End to End Distance: 178 mm Reducer should be suitable for welding to the pipes having following specification: a) 273.0 mm (10.3/4 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 7.80 mm (0.307 inch) at one end. b) 219.1 mm (8.5/8 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 7.04 mm (0.277 inch) at the other end.	20	NO
380 99068453	REDUCERS (CONCENTRIC), 300mm x 250mm, 70 kg/sq.cm Concentric Reducer, Seamless, Butt-welding, manufactured as per ANSI B 16.9 std. (latest edition)and Butt welding ends confirming to ANSI B 16.25(latest edition): Material: ASTM A 234 WPB Working pressure: 70 kg/sq.cm (1000 psi) Nominal pipe size (NPS) = 300 mm (12 inch) x 250 mm (10 inch) End to End Distance: 203 mm Reducer should be suitable for welding to the pipes having following specification: a) 323.9 mm (12.3/4 inch) OD, API 5L Grade-A, Bevel End pipe having Wall thickness of 8.40 mm (0.330 inch) at one end. b) 273.0 mm (10.3/4 inch) OD, API 5L Grade-B, Bevel End pipe having Wall thickness of 7.80 mm (0.307 inch) at the other end.	35	NO

Special Notes : 1) All Flanges and Pipe Fittings must be thoroughly cleaned & painted with anti-corrosive paint or varnish to avoid corrosion.

2) Any variation or non-conformity to the tender specification must be clearly mentioned in the Technical Compliance Check-List (Annexure-A) given in the Tender. Deviation mentioned elsewhere in the offer will not be given cognizance.

3) Bidder must submit their Quality Assurance Procedure (QAP) based on NIT requirements and relevant standards. (Annexure-B attached).

4) Bidder must provide Dimensional details and other information of offered Pipe Fittings against the tender in Table of Dimensions (Annexure-C attached).

5) Detailed Engineering drawings of the Flanges & Pipe Fittings as per relevant standard must be submitted to us along with the quotations in triplicate for dimensional check and approvals. For this bidders must submit their Engineering Drawings drawn for manufacturing. Photo copy of Copyright Standards, Specifications etc. shall not be used for this purpose.

6) The supplier must carryout visual and dimensional checking and Magnetic Particle Test on each and every item to be supplied.

7) Test certificates of raw material used, Hydraulic Test conducted, Magnetic Particle test conducted and dimensional check must be submitted to OIL along with the materials.

8) Every piece of Pipe Fitting must be marked permanently to show at least :
a) Manufacturer's name or trademark.
b) Materials and product identification (viz. ASTM A 234 WPB).
c) Wall thickness.
d) NPS
e) Pressure rating/class.
f) 3rd party Inspector's identification mark.
g) OIL Purchase Order No.

IN ABSENCE OF ABOVE MARKINGS, THE MATERIAL WILL NOT BE ACCEPTED.

9) Materials shall be inspected and certified by any one of the OIL authorized third party inspection agencies viz. M/s. BV / IRS / Lloyds / RITES / M/s. Tubescope Vetco/ DNV prior to despatch. Bidders must quote the inspection charges separately in % (percentage) in the offer for evaluation of offer, failing which it shall be construed that the quoted rates are inclusive of 3rd party inspection charges.

When a bidder mentions third party inspection charges as extra without specifying the amount, the offer will be loaded with maximum value towards third party inspection charges quoted against the tender for comparison purposes. If the bidder emerges as lowest bidder after such loading and in the event of order on that bidder, third party inspection charges mentioned by OIL on the Purchase Order will be binding on the bidder. Please also quote minimum TPI charges in case of part order or the same will be calculated on pro-rata basis.

10) Scope of test and inspection by OIL's approved third party inspection agency must include:
a) At least 5% of the raw materials against each item at random must be selected by third party inspector & necessary chemical & mechanical tests must be carried out by manufacture to confirm that correct materials as per specifications has been used and certificates to the same approved by TPIA must be provided to OIL along with the materials / despatch documents.

b) Raw material identification against Original Mill certificate and correlation of Heat Nos. Certified copies of the certificates shall be provided to OIL along with the materials / despatch documents.

c) One or two piece(s) against each heat treated lot and size after formation and before machining must be selected and stamped by Inspector for physical and chemical testing. Physical testing of the materials at Govt. Approved Laboratories / OIL approved Laboratories must be witnessed and certified by Inspector.

d) To carryout Magnetic particle testing on 10% of each item (minimum quantity- 01 Piece against each item) and to review MP test report for all the materials.

e) To make visual and dimensional check minimum 15% of ordered quantity of all the items and to ensure dimensions of all Flanges & Pipe Fittings are as per OIL approved drawings i.e. as per relevant standard. These dimensional check certificates must be certified by TPI.

f) Finished materials (minimum quantity- 01 Piece against each item) must be tested hydraulically at 1.5 times of working pressure or specified test pressure as per specification in presence of Inspector. Inspector must write the number of pieces tested and test pressure in the Inspection Certificate.

g) Randomly check markings in Flanges, Ring Gaskets and Pipe Fittings.

h) Check all materials for thorough cleaning & painting with anti-corrosive paint or varnish to avoid corrosion.

i) Ensure packing and tagging of finished product for dispatch is done as per OIL's PO.

j) To check and certify all the stages of Quality Assurance Procedure (QAP) approved by OIL are covered and followed by the manufacturer.

k) To document and issue inspection certificate. All the certificates (original + 2 certified copies) must be checked verified and signed by Inspector under official seal and must be submitted along with despatch documents.

11) Pre Dispatch Inspection:

Materials are to be inspected & certified by OIL's engineers at your works before dispatch. You are, therefore, requested to forward 15 (fifteen) days advance intimation of the materials to depute our engineer in time.

In the bid, bidders has to mention the address of their works, where the forging of the Flanges & Pipe Fittings will be carried out and OIL reserves the right to inspect the materials during forging process and / or in forged condition and to inspect adherence to the approved QAP during manufacturing stage.

12) Further to the above point, OIL's Engineer will witness the following inspection at your works besides the third party inspection before dispatching the finished product. At least 15 days advance notice will be required for deputing OIL's Engineer.
a) Hydraulic testing (minimum quantity- 01 Piece against any two randomly picked items)
b) Magnetic Particle Testing (minimum quantity- 01 Piece against any two randomly picked items)
c) Any other tests relevant to the quality assurance

13) Materials to be supplied must be brand new, of recent make, of the best quality & workmanship and must be guaranteed by the Seller for a period of twelve (12) months from the date of receipt against defects arising from faulty materials, workmanship or design. Defective materials notified by OIL to the Seller must be replaced immediately by the Seller on F.O.R destination (Duliajan) basis including payment of all taxes and duties at Seller's expense. Relevant guarantee certificate in duplicate must be provided along with the supply / despatch documents.

14) Quantity of each and every item may be increased /decreased at the time of final order placement.

15) OIL's P.O. Number, size of material packed and box/bag/crate number should be clearly written on the box/gunny bag/crate with a marker pen and a card containing details of the content viz. OIL's P.O. No., item No., quantity, size of material, challan reference etc. must be

tagged to the box/bag/crate securely. A copy of the tag should also be kept inside the box/bag/crate to enable the receiving personnel at Duliajan to properly account for the goods.

16) BID ENCLOSURES:
a) The bidder's quote should indicate each and every item serially as given in the technical specification of the enquiry.
b) Relevant catalogue, technical brochures, detailed Engineering drawings to be furnished along with the quotation (in triplicate).
c) Technical Compliance Check-List (as Annexure-A)
d) Bidders Quality Assurance Procedure (QAP) (as Annexure-B).
e) Table of Dimensions for Pipe Fittings (as Annexure-C).
f) Any other documents required for evaluation of bidders' offer.

17. PAYMENT TERMS :

17.1 Payment will generally be made against completed supply. Where phased delivery is indicated in the order, payment will be made against each lot as per phasing.

17.2 In certain cases, payment to the extent of 90% maximum of the value of the supply will be made against proof of dispatch presented through Bank or to OIL directly. Balance 10% of the value will be released not later than 30 days of receipt of goods at OIL's site. Adjustments, if any, towards liquidated damage shall be made from the balance 10% payment. OIL may consider releasing 100% payment against dispatch documents for suppliers having good track record with OIL and where 10% Performance Security is submitted in time and no installation/commissioning is involved.

18. Validity of offer: 75 days from the date of tender opening. Offer with validity less than 75 days will be rejected.

19. PERFORMANCE GUARANTEE:

Performance Guarantee is applicable against this tender. 10% of the ordered value shall be given as performance guarantee in the form of bank guarantee and shall be valid for 90 days beyond applicable warranty / guarantee / defect liability period (if any). Bidders should undertake in their bid to submit Performance Security as stated above.

TECHNICAL COMPLIANCE CHECK-LIST [redacted] **ANNEXURE-A**

Sl. No.	NIT Requirement	Compliance		Vendors' Deviation/ Remarks
		Yes	No	
1.	The bidder's quote should indicate each and every item serially as given in the technical specification of the enquiry.			
2.	Filled in 'Technical Compliance Check-List' (as **Annexure-A**) is submitted along with the bid.			
3.	Bidders Quality Assurance Procedure (QAP) (as **Annexure-B**) is submitted along with the bid.			
4.	Dimensional details and other information of offered Pipe Fittings are given in Table of Dimensions **(Annexure-C).**			
5.	Vendor to confirm that all the items offered are exactly as per our specification, size, material of construction, design & testing standards etc. wherever applicable as mentioned in the NIT.			
6.	Vendor to confirm that delivery of materials will be done within 04 (four) months after PO placement.			
7.	Vendor to confirm that Magnetic particle test will be carried out for full quantity of finished products for flaw & crack detection.			
8.	Detailed Engineering drawings of the Flanges & Pipe Fittings as per relevant standard are submitted along with the quotations for dimensional check and approvals. For this bidders shall submit their Engineering Drawings drawn for manufacturing. Photo copy of Copyright Standards, Specifications etc shall not be used for this purpose.			
9.	Vendor to confirm for carrying out visual and dimensional checking and Magnetic Particle Test on each and every item to be supplied.			
10.	Vendor to confirm that the materials will be tested, inspected and certified by OIL's approved Third Party Inspection Agency and inspection report must be forwarded to us along with the materials.			
11.	Vendor to confirm that scope of test and inspection by OIL's approved third party inspection agency will be as per NIT.			
12.	Vendor to confirm along with materials: The submission of Test certificates of raw material used, Hydraulic Test conducted, Magnetic Particle test conducted and dimensional check.			
13.	Vendor to confirm that markings on the Pipe Fittings will be done as per NIT			
14.	Vendor to confirm that all the material will be thoroughly cleaned & painted with anti-corrosive paint or varnish to avoid corrosion.			
15.	Vendor to confirm that supplied materials shall be brand new, of recent make, of the best quality & workmanship and shall be guaranteed by the Seller for a period of twelve (12) months from the date of successful commissioning against defects arising from faulty materials, workmanship or design. Defective materials notified by OIL to the Seller shall be replaced immediately by the Seller on F.O.R destination (Duliajan) basis including payment of all taxes and duties at Seller's expense. Relevant guarantee certificate in duplicate must be provided along with the supply.			
16.	Vendor to confirm that packing and tagging of finished product for dispatch will be done as per NIT & PO.			
17.	Confirm that bid is submitted along with Bid Enclosures as per PR Note No. 17.			
18.	Vendor has to mention the address of their works, where the forging of the Flanges & Pipe Fittings will be carried out and OIL reserves the right to inspect the flanges during forging process and/or in forged condition and to inspect adherence to the approved QAP during manufacturing stage. Party has to inform OIL during the requisite manufacturing stage and At least 15 days advance notice will be required for deputing OIL's Engineer.			
19.	Vendor to confirm that, OIL's Engineer will witness the inspections mentioned on PR Note No.13 at their works besides the third party inspection before dispatching the finished product.			

ANNEXURE-B

QUALITY ASSURANCE PROCEDURE (QAP) FOR PIPE FITTING (UNDER PR-1619031)

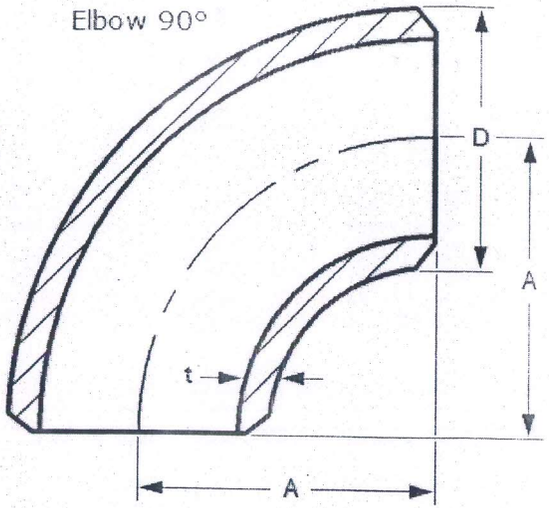
APPLICABLE CODES AND PURCHASE ORDER SPECIFICATION									SCOPE OF INSPECTION	
SL. NO	ACTIVITY	COMPONENT	CHARACTERISTIC	METHOD OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENTS	ACCEPTANCE NORMS	RECORDS	SUPPLIER	TPI
1	Raw Material Identification	Billets, Rounds, Pipes, Coil, Plates etc	Marking correlation with TC, Dimensional / Thickness adequacy as applicable	Visual Dimensional / Thickness, verification of markings with TC, identification marking	As per sampling plan	PO/Applicable code & Specifications	PO/Applicable code & Specifications	Mill test certificate, Supplier's Inspection Report	H	H
2	Check Testing of Raw material	Billets, Rounds, Pipes, Coil, Plates etc	Verification of the Mill Test Certificates	PO/Applicable code & Specifications	Supplier 100% TPI 100%	PO/Applicable code & Specifications	PO/Applicable code & Specifications	Mill test,certificate,Supplier's Inspection Report	H	H
3	Forming and HT	Fittings	Forming temperatures and procedures	In process witness	Supplier 100%	PO/Applicable code & Specifications	PO/Applicable code & Specifications	Supplier's procedures / records	H	-
4	Sampling of Test Coupon	Fittings	Heat/HT lot, Size, location, orientation,number of test coupon	Review of furnace loading records and HT chart	Supplier 100% TPI 100%	PO/Applicable code & Specifications	PO/Applicable code & Specifications	Sampling Inspection Report	H	H
5	NDT Examination	Fittings	Approved procedures	Radiographic / UT / LP / MP / Examination	Supplier 100% TPI 100%	PO/Applicable code & Specifications	PO/Applicable code & Specifications	NDT Inspection Report	W	R & W
6	Selected Coupons Testing	Fittings	Physical / Chemical / Corrosion / Service Properties	PO/Applicable code & Specifications	Supplier 100% TPI 100%	PO/Applicable code & Specifications	PO/Applicable code & Specifications	Test records	H	H
7	Cleaning & Finishing	Fittings	Blast Cleaning / Pickling / Passivation / Suppliers standard etc.	Visual, thickness as applicable	Supplier 100% TPI Random	PO/Applicable code & Specifications	PO/Applicable code & Specifications	Inspection Report	H	R & W
8	Final Inspection	Fittings	Size, thickness, dimensions, surface quality, marking, stamping, Anti-corrosive painting or varnishing etc	Visual Dimensional,Thickness, Ends profile and review of complete manufacturing records	Supplier 100%-TPI Random-10% Min	PO/Applicable code & Specifications	PO/Applicable code & Specifications	Inspection Report of all the fittings	H	H
9	Hydraulic Testing	Fittings	Approved procedures	Hydraulic Test with non-corrosive liquid medium	As per PO Terms	PO/Applicable code & Specifications	PO/Applicable code & Specifications	Inspection Report of Tested fittings	H	H
10	Positive Material Identification	Final Inspected Fittings	Compliance with stipulated material	PMI Instrument	Supplier 100% TPI Random-10% Min	Manufacture's Procedure	Material Specification	PMI Report	H	H

11	Final Release and Certification	Finished Fittings	Final stamping, issue of inspection Certificate and Release	Double stamp all inspected fittings with identification stamp on either side of suppliers marking	Supplier 100%-TPI 100%	PO/Applicable code & Specifications	PO/Applicable code & Specifications	Final offer list	H	H
12	Packing & Despatch	Finished Fittings	Protective coating/Type of Packing etc.	Visual and review of documents	Supplier 100%-TPI Random-10% Min	PO/Applicable code & Specifications	PO/Applicable code & Specifications	Suppliers's Records	H	-

Legends: H-Hold (Not to proceed without approval), W-Witness (Give due notice, work may proceed), R-Review, TPI-Third Party Inspection Agency PO-Purchase order, HT- Heat Treatment, NDT-Non Destructive tesing, DT- Destructive testing, WPS-Welding Procedure Specification, PQR-Procedure Qualification Record, WPQ-Welder Performance Qualification, Random-10% (Min 1 No.) of each size and type of fittings offered for Inspection, RT-Radiography Testing

ANNEXURE-C
([redacted])

Table for Dimensions of 90 deg Long Radius Elbows

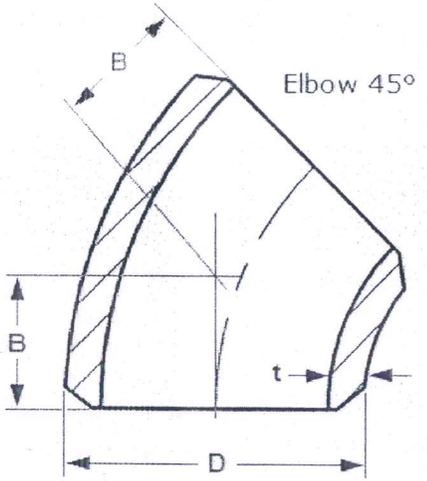


**For Thickness Calculations allowable stresses shall be considered for ASTM A234.*

Tender Item No.	Tender Mat Code	Nominal Pipe Size (mm)	*Wall Thickness 't' (mm)	OD at Bevel 'D' (mm)	Dimension 'A' (mm)

ANNEXURE-C
([redacted])

Table for Dimensions of 45 deg Long Radius Elbows

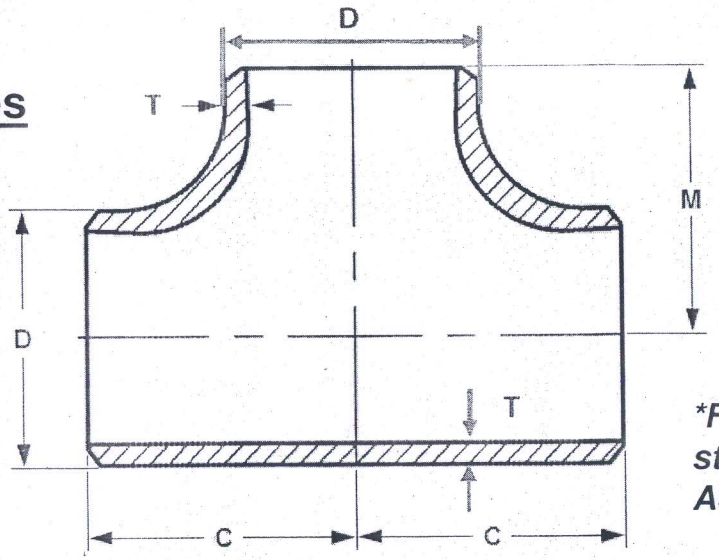


**For Thickness Calculations allowable stresses shall be considered for ASTM A234.*

Tender Item No.	Tender Mat Code	Nominal Pipe Size (mm)	*Wall Thickness 't' (mm)	OD at Bevel 'D' (mm)	Dimension 'B' (mm)

ANNEXURE-C
(PR No. 1619038)

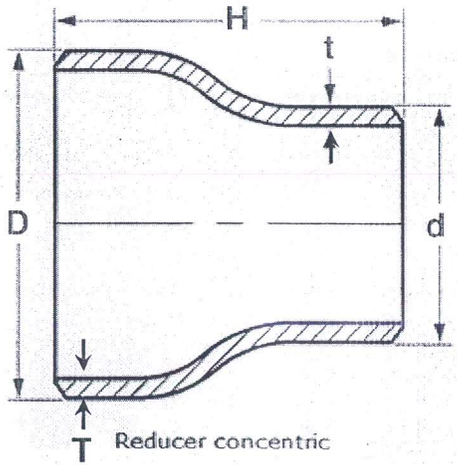
able for Dimensions
f Straight (Equal) Tees



**For Thickness Calculations allowable stresses shall be considered for ASTM A234.*

Tender Item No.	Tender Mat Code	Nominal Pipe Size (mm)	Run (mm)			Outlet (mm)		
			OD at Bevel 'D'	*Wall Thickness 'T'	Centre to End Distance 'C'	OD at Bevel 'D'	*Wall Thickness 'T'	Centre to End Distance 'M'

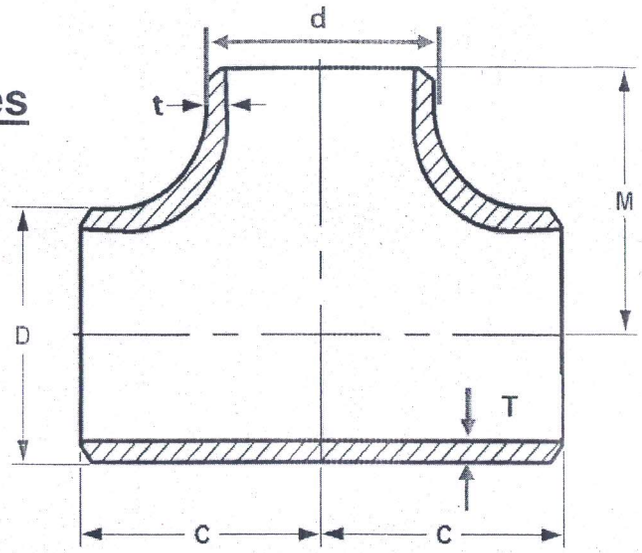
Table for Dimensions of Concentric Reducers



**For Thickness Calculations allowable stresses shall be considered for ASTM A234.*

Tender Item No.	Tender Mat Code	Nominal Pipe Size (mm)	Outside Diameter at Bevel (mm)		*Wall Thickness (mm)		End-to-End (mm) 'H'
			Large End 'D'	Small End 'd'	Large End 'T'	Small End 't'	

Table for Dimensions of Reducing Outlet Tees



**For Thickness Calculations allowable stresses shall be considered for ASTM A234.*

Tender Item No.	Tender Mat Code	Nominal Pipe Size (mm)	Run (mm)			Outlet (mm)		
			OD at Bevel 'D'	*Wall Thickness 'T'	Centre to End Distance 'C'	OD at Bevel 'd'	*Wall Thickness 't'	Centre to End Distance 'M'

Tender No. : **KID4123L17/05**
Tender Date : **15.03.2017**
Bid Closing On : **02.05.2017 at 14:00 hrs.(IST)**
Bid Opening On : **02.05.2017 at 14:00 hrs.(IST)**

Tender issued to following parties only:

Slno	V_Code	Vendor Name	City/Country
1	200046	Parveen Industries Pvt. Ltd.	DELHI
2	200052	SARA SAE PVT. LTD.	DEHRADUN
3	200449	CHANDA & CO. (ENGG) PVT. LTD.	KOLKATA
4	201040	R.P. ENGG. (P) LTD.	HOWRAH
5	202928	WESTON ENGINEERS	HOWRAH
6	203237	UDYOG CORPORATION	KOLKATA
7	207512	WINDLASS ENGINEERS & SERVICES PVT.L	DEHRADUN
8	208844	SAWAN ENGINEERS PVT. LTD.	VADODARA
9	210704	OMEGA CORPORATION	NAGPUR
10	212795	SHAKTI FORGE INDUSTRIES PVT. LTD.	RAJKOT