

ANNEXURE-A :: LTCS PIPING BOQ
PROJECT: ONGC URAN LGC

SL NO	ITEM	MATERIAL STD	SIZE1 (in)	SIZE2 (in)	SCH1	SCH2	TYPE	RATING	END CONN	MFG STD	UNIT WT (Kg)	QTY (M/Nos)	TOTAL WT(KG)
1	Pipe	ASTM A 333 GR.6	0.75		S160		Seamless		Bevelled Ends	ASME B36.10	2.88	60	172.8
2	Pipe	ASTM A 333 GR.6	1		XS		Seamless		Bevelled Ends	ASME B36.10	3.23	60	193.8
3	Pipe	ASTM A 333 GR.6	2		XS		Seamless		Bevelled Ends	ASME B36.10	7.47	48	358.56
4	Pipe	ASTM A 333 GR.6	10		STD		Seamless		Bevelled Ends	ASME B36.10	60.24	48	2891.52
5	Pipe	ASTM A 671 GR.CC60 CL.32	20		STD		WELDED-EFSW		Bevelled Ends	ASME B36.10	116.92	72	8418.24
6	Concentric Reducer	ASTM A 420 GR.WPL6	10	8	STD	STD			Butt Welding	ASME B16.9	11.13	2	22.26
7	Concentric Reducer	ASTM A 420 GR.WPL6	10	6	STD	STD			Butt Welding	ASME B16.9	10.37	2	20.74
8	Elbow 90D	ASTM A 350GR.LF2	0.75				Long Radius	CL6000	Socket Welding	ASME B16.11	0.67	20	13.4
9	Elbow 90D	ASTM A 350GR.LF2	1				Long Radius	CL3000	Socket Welding	ASME B16.11	0.49	20	9.8
10	Elbow 90D	ASTM A 420 GR.WPL6	2		M		Long Radius		Butt Welding	ASME B16.9	0.88	10	8.8
11	Elbow 90D	ASTM A 420 GR.WPL6	10		STD		Long Radius		Butt Welding	ASME B16.9	35	14	490
12	Elbow 90D	ASTM A 420GR.WPL6-W	20		STD		Long Radius		Butt Welding	ASME B16.9	139.58	6	837.48
13	Elbow 45D	ASTM A 420GR.WPL6-W	20		STD		Long Radius		Butt Welding	ASME B16.9	69.79	1	69.79
14	Flange	ASTM A 350GR.LF2	6		STD		Weld Neck	CL150	Raised Face	ASME B16.5	10.9	2	21.8
14	Flange	ASTM A 350GR.LF2	8		STD		Weld Neck	CL150	Raised Face	ASME B16.5	17.7	2	35.4
15	Flange	ASTM A 350GR.LF2	10		STD		Weld Neck	CL150	Raised Face	ASME B16.5	24	8	192
16	Flange	ASTM A 350GR.LF2	20		STD		Weld Neck	CL150	Raised Face	ASME B16.5	82	2	164

NOTES:
TOTAL WEIGHT= 13921 Kg

- 1) Vendor to quote all the above listed items and any incomplete offer will be rejected.
- 2) In case of any queries on the Technical matters, Bidder shall contact BHEL, within 3 days of receipt of Enquiry for seeking clarifications.
- 3) IBR CERTIFICATION IS **NOT REQUIRED** FOR ALL THE ITEMS.
- 4) Technical Delivery conditions for pipes : AA0490001 Rev 04
- 5) Technical Delivery conditions for fittings : AA0851402 Rev 04
- 6) Technical Delivery conditions for flanges : AA0851401 Rev 03
- 7) Vendor to sign and Stamp this sheet agreeing for scope of supply.