

	Bharat Heavy Electricals Limited, Piping Centre, Chennai.		QCP : 19		
	List of Raw material sources for Seamless Pipes confirming to ASME/ASTM SA/A335 P91 & P92		Rev : 02 Date : 07.08.2017		
Sl.No.	Vendor Name	Country	Grade		Size
1	PRODUCTOS TUBULARES S.A.U	Spain	P91	P92 \$	MIN.ODXWT: 219.1X6.35MM MAX ODXWT: 610.0X101MM
2	SUMITOMO METALS (NSSMC)	Japan	P91	P92	MIN.ODXWT:15.9X1.90MM MAX ODXWT:949.3 X170.00MM
3	VALLOUREC TUBES	France & Germany	P91	P92	MIN.ODXWT:21.3X2.00MM MAX ODXWT:1540.0 X270.00MM
4	VALLOUREC(Changzhou) Co Ltd RM P91: Xingcheng Special Steel Co Ltd, China, Stahlwerk Bous GmbH,Germany RM P92: Stahlwerk Bous GmbH,Germany P91 & P92: ID > 540mm and T > 120mm hollows shall be sourced from Vallourec France/Germany	China	P91	P92	MIN.ODXWT:21.3X2.00MM MAX ODXWT:1540.0 X270.00MM
5	BENTELER STEEL / TUBE GmbH	Germany	P91	P92	MIN ODXWT:21.3X2.0 MM MAX ODXWT:157.3X20.0 MM
6	IBF S.P.A.	Italy	P91	P92	MIN.ODXWT:168 X 20 MM MAX ODXWT: 2500 X 250 MM
7	TUBOS REUNIDOS INDUSTRIAL S.L.U.	Spain	P91	P92 \$	MIN.ODXWT:4.0 X0.50MM MAX ODXWT:177.8 X40.0MM
8	WYMAN-GORDON FORGINGS INC.	USA	P91	P92 \$	MIN.ODXWT:219.0X12.50MM MAX ODXWT:1200.0X177MM
9	TENARIS GLOBAL (NKK TUBES)	Japan	P91	P92 \$	MIN.ODXWT:21.3X2.40MM MAX ODXWT: 622.0X48.00MM
10	TENARIS GLOBAL (DALMINE)	Italy	P91	P92 \$	MIN.ODXWT:21.3X2.40MM MAX ODXWT: 622.0X48.00MM
11	TENARIS GLOBAL (SILCO TUBES)	Romania	P91	P92 \$	UPTO 159 MM OD
12	JFE (Kawasaki)	Japan	P91	P92	MIN ODXWT:88.9X4.0 MM MAX ODXWT:406.4X55.0 MM
13	RINGMILL SPA	Italy	P91 \$	P92 \$	MIN ODXWT:350.0X50.0 MM MAX ODXWT:3000.0X300.0 MM
14	HENGYANG STEEL TUBE GROUP INT'L	China	P91 \$	P92 \$	MIN.ODXWT:88.9X4.50MM MAX ODXWT:722.0X120MM
15	YANGZHOU CHENGDE STEEL PIPE CO. LTD RM P91 & P92: BaoSteel Special Metals, Shanghai RM P91: Xingcheng Special Steel Co Ltd, Jiangsu	China	P91	P92	ABOVE 219.1 MM OD
16	JIANGSU CHENGDE STEEL TUBE SHARE CO RM P91 & P92: BaoSteel Special Metals, Shanghai RM P91: Xingcheng Special Steel Co Ltd, Jiangsu	China	P91	P92	UPTO 219.1 MM OD
17	S.K.T.INTERNATIONAL TRADING, (INNER MONGOLIA)	China	P91 \$	P92 \$	MIN ODXWT:219.06X26 MM MAX ODXWT:1000X143 MM
18	ZHEJIANG GROSS SEAMLESS STEEL	China	P91 \$	P92 \$	MIN.ODXWT:355.6 X 8.00 MM MAX ODXWT:1200.0 X 200MM
19	YANGZHOU LONTRIN STEEL	China	P91 \$	P92 \$	MAX OD / WT : 1016 X 150 MM
Supplementary Tests: S1,S2,S3,S4,S5 to be done for P92. \$: Shall NOT be used for NTPC projects.					
Rev 01: P92 sources added, Sichuan removed and other entries verified wrt PCP91.					
Rev 02: SI No 4, 15, 16 revised inline with NTPC approval letters. RM - Raw Material for NTPC projects					
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