

LIST OF BHEL TRICHY APPROVED SEAMLESS TUBE MANUFACTURERS						
Category	Specification	INDIGENOUS/ FOREIGN	APPROVED VENDOR NAME	PLACE	APPROVAL SIZE RANGE	Inspection category
Carbon Steel	SA210GrC	INDIA	BHEL SSTP	TRICHY	HFS & CDS :OD 21.30 to 133 mm & Thick 2mm to 14mm	
Carbon Steel	SA210GrC	INDIA	HEAVY METALS & TUBES LTD	MEHSANA	HFS & CDS: OD: upto 76.2mm Thick:upto16.15mm	
Carbon Steel	SA210GrC	INDIA	JINDAL SAW LIMITED	NASHIK	HFS- OD: 33.4 mm to 168.3 mm Thick: 3.5 mm to 21.95 mm CDS- OD: 6.0mm to 140.0 mm Thick: 0.8 mm to 15.0mm	
Carbon Steel	SA210GrC	INDIA	KIRLOSKAR FERROUS INDUSTRIES LIMITED	AHMEDNAGAR, BARAMATI	HFS- OD: 38.0mm to 273.0 mm Thick: 3.5 mm to 40.0mm CDS- OD: 18.0 mm to 140.0 mm Thick: 1.5 mm to 15.0 mm	
Carbon Steel	SA210GrC	INDIA	LALBABA ENGINEERING LIMITED	HALDIA	CDS: OD: 21.3mm to 114.3mm, Thick: upto14.1mm	
Carbon Steel	SA210GrC	INDIA	MAHARASTRA SEAMLESS LIMITED	MANGAON	HFS: OD: 21mm to168.3, Thick:2.4mm to 22mm	
Carbon Steel	SA210GrC	INDIA	MAHARASTRA SEAMLESS LIMITED	RAIGAD	HFS: OD: 21 mm to 168.3mm Thick: 2 mm to 20 mm CDS: OD: 19 mm to 88.9 mm Thick: 1 mm to 12 mm	
Carbon Steel	SA210GrC	INDIA	RASHMI GREEN HYDROGEN STEEL PVT LTD	KHARAGPUR	HFS & CDS: OD: upto 76.2mm Thick:upto14mm	
Carbon Steel	SA210GrC	FOREIGN	BENTELER STEEL/TUBE GMBH	GERMANY	All sizes	Inspection by IBR Approved TPI agency
Carbon Steel	SA210GrC	FOREIGN	IBF	ITALY	All sizes	Inspection by IBR Approved TPI agency
Carbon Steel	SA210GrC	FOREIGN	JEE(KAWASAKI)	JAPAN	All sizes	Inspection by IBR Approved TPI agency
Carbon Steel	SA210GrC	FOREIGN	JFE STEEL CORPORATION	JAPAN	All sizes	Inspection by IBR Approved TPI agency
Carbon Steel	SA210GrC	FOREIGN	NIPPON STEEL & SUMITOMO METAL CORPORATION	JAPAN	All sizes	Inspection by IBR Approved TPI agency
Carbon Steel	SA210GrC	FOREIGN	PRODUCTOS TUBULARES,	SPAIN	All sizes	Inspection by IBR Approved TPI agency
Carbon Steel	SA210GrC	FOREIGN	TENNARIS GLOBAL SERVICES SA, URUGUAY	ITALY(DALMINE)	All sizes	Inspection by IBR Approved TPI agency
Carbon Steel	SA210GrC	FOREIGN	TENNARIS GLOBAL SERVICES SA, URUGUAY	JAPAN(NKK TUBES)	All sizes	Inspection by IBR Approved TPI agency
Carbon Steel	SA210GrC	FOREIGN	TENNARIS GLOBAL SERVICES SA, URUGUAY	ROMANIA (SILCO)	All sizes	Inspection by IBR Approved TPI agency
Carbon Steel	SA210GrC	FOREIGN	TUBOS REUNIDOS INDUSTRIAL, S.L.U	SPAIN	All sizes	Inspection by IBR Approved TPI agency
Carbon Steel	SA210GrC	FOREIGN	VALLOREC & MANNESMANN	GERMANY	All sizes	Inspection by IBR Approved TPI agency
Carbon Steel	SA210GrC	FOREIGN	VALLOREC & MANNESMANN	FRANCE	All sizes	Inspection by IBR Approved TPI agency
Carbon Steel	SA210GrC	FOREIGN	WAYMAN GORDAN	USA	All sizes	Inspection by IBR Approved TPI agency
Carbon Steel	SA210GrC	CHINESE	BAOSHAN IRON & STEEL CO LTD	CHINA	All sizes	Inspection by IBR Approved TPI agency
Carbon Steel	SA210GrC	CHINESE	CHANGZHOU CHANGBAO PRECISION	CHINA	All sizes	Inspection by IBR Approved TPI agency
Carbon Steel	SA210GrC	CHINESE	HENGYANG VALIN STEEL TUBE CO	CHINA	All sizes	Inspection by IBR Approved TPI agency
Carbon Steel	SA210GrC	CHINESE	JIANGSU CHENGDE STEEL TUBE	CHINA	All sizes	Inspection by IBR Approved TPI agency
Carbon Steel	SA210GrC	CHINESE	YANGZHOU LONTRIN	CHINA	All sizes	Inspection by IBR Approved TPI agency
Carbon Steel	SA210GrC	CHINESE	SHENGTAI NEW MATERIALS CO LTD	CHINA	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T11/T12/T22	INDIA	BHEL SSTP	TRICHY	HFS&CDS :OD 21.30 to 133 mm & Thick 2mm to 14mm	
Alloy steel	SA213T11/T12/T22	INDIA	HEAVY METALS & TUBES LTD	MEHSANA	HFS/CDS: OD: upto76.2mm Thick:upto16.15mm	
Alloy steel	SA213T11/T12/T22	INDIA	JINDAL SAW LIMITED	NASHIK	HFS- OD: 33.4 mm to 168.3 mm Thick: 3.5 mm to 21.95 mm CDS- OD: 6.0mm to 140.0 mm Thick: 0.8 mm to 15.0mm	
Alloy steel	SA213T11/T12/T22	INDIA	KIRLOSKAR FERROUS INDUSTRIES LIMITED	AHMEDNAGAR, BARAMATI	HFS- OD: 38.0mm to 273.0 mm Thick: 3.5 mm to 40.0mm CDS- OD: 18.0 mm to 140.0 mm Thick: 1.5 mm to 15.0 mm	
Alloy steel	SA213T11/T12/T22	INDIA	LALBABA ENGINEERING LIMITED	HALDIA	CDS: OD 21.3 mm to 114.3 mm & Thick 4.5 mm to 14.02 mm	
Alloy steel	SA213T11/T12/T22	INDIA	MAHARASTRA SEAMLESS LIMITED	MANGAON	HFS: OD: 21mm to168.3, Thick:2.4mm to 22mm	
Carbon Steel	SA213T11/T12/T22	INDIA	RASHMI GREEN HYDROGEN STEEL PVT LTD	KHARAGPUR	HFS & CDS: OD: upto 76.2mm Thick:upto14mm	
Alloy steel	SA213T11/T12/T22	FOREIGN	BENTELER STEEL/TUBE GMBH	GERMANY	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T11/T12/T22	FOREIGN	IBF	ITALY	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T11/T12/T22	FOREIGN	JEE(KAWASAKI)	JAPAN	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T11/T12/T22	FOREIGN	JFE STEEL CORPORATION	JAPAN	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T11/T12/T22	FOREIGN	NIPPON STEEL & SUMITOMO METAL CORPORATION	JAPAN	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T11/T12/T22	FOREIGN	TENNARIS GLOBAL SERVICES SA, URUGUAY	JAPAN(NKK TUBES)	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T11/T12/T22	FOREIGN	TENNARIS GLOBAL SERVICES SA, URUGUAY	ROMANIA (SILCO)	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T11/T12/T22	FOREIGN	TENNARIS GLOBAL SERVICES SA, URUGUAY	ITALY(DALMINE)	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T11/T12/T22	FOREIGN	TUBOS REUNIDOS INDUSTRIAL, S.L.U	SPAIN	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T11/T12/T22	FOREIGN	VALLOREC & MANNESMANN	GERMANY	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T11/T12/T22	FOREIGN	VALLOREC & MANNESMANN	FRANCE	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T11/T12/T22	FOREIGN	WAYMAN GORDAN	USA	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T11/T22	FOREIGN	PRODUCTOS TUBULARES,	SPAIN	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T11/T12/T22	CHINESE	HENGYANG VALIN STEEL TUBE CO	CHINA	All sizes	
Alloy steel	SA213T11/T12/T22	CHINESE	JIANGSU CHENGDE STEEL TUBE	CHINA	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T11/T12/T22	CHINESE	YANGZHOU LONTRIN	CHINA	All sizes	
Alloy steel	SA213T11/T12/T22	CHINESE	BAOSHAN IRON & STEEL CO LTD	CHINA	All sizes	
Alloy steel	SA213T11/T12/T22	CHINESE	CHANGZHOU CHANGBAO PRECISION	CHINA	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T11/T12/T22	CHINESE	SHENGTAI NEW MATERIALS CO LTD	CHINA	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T91	FOREIGN	IBF	ITALY	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T91	INDIA	BHEL SSTP***	TRICHY	HFS&CDS :OD 21.30 to 133 mm & Thick 2mm to 14mm	CAT-I inspection by NTPC along with Approved QP
Alloy steel	SA213T91	INDIA	HEAVY METALS & TUBES LTD***	MEHSANA	HFS: OD 26.7-76.2mm & Thick 3.05-12mm CDS: OD 19.05-76.2mm & Thick 1.65-16.15mm	CAT-I inspection by NTPC along with Approved QP
Alloy steel	SA213T91	FOREIGN	TENNARIS GLOBAL SERVICES SA, URUGUAY	JAPAN(NKK TUBES)	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T91	FOREIGN	WAYMAN GORDAN	USA	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T91/T23	FOREIGN	PRODUCTOS TUBULARES,	SPAIN	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T91/T23	FOREIGN	TENNARIS GLOBAL SERVICES SA, URUGUAY	ROMANIA (SILCO)	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T91/T92	FOREIGN	BENTELER STEEL/TUBE GMBH	GERMANY	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T91/T92	FOREIGN	JEE(KAWASAKI)	JAPAN	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T91/T92	FOREIGN	NIPPON STEEL & SUMITOMO METAL CORPORATION	JAPAN	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T91/T92/T23	FOREIGN	JFE STEEL CORPORATION	JAPAN	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T91/T92/T23	FOREIGN	TUBOS REUNIDOS INDUSTRIAL, S.L.U	SPAIN	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T91/T92/T23	FOREIGN	VALLOREC & MANNESMANN	GERMANY	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T91/T92/T23	FOREIGN	VALLOREC & MANNESMANN	FRANCE	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T91/T92/T23	CHINESE	JIANGSU CHENGDE STEEL TUBE	CHINA	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T91/T92/T23	CHINESE	CHANGZHOU CHANGBAO PRECISION	CHINA	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T91/T92/T23	CHINESE	YANGZHOU LONTRIN	CHINA	All sizes	Inspection by IBR Approved TPI agency
Alloy steel	SA213T91/T92/T23	CHINESE	SHENGTAI NEW MATERIALS CO LTD	CHINA	All sizes	Inspection by IBR Approved TPI agency

LIST OF BHEL TRICHY APPROVED SEAMLESS TUBE MANUFACTURERS						
Category	Specification	INDIGENOUS/ FOREIGN	APPROVED VENDOR NAME	PLACE	APPROVAL SIZE RANGE	Inspection category
Stainless steel	SA21330432(SP)/347H(SP)	INDIA	TUBACEX TUBES & PIPES**	UMBERGAON	CDS: OD:21.3mm to 76.2mm, Thick:2.6mm to 11.07mm	CAT-I inspection by NTPC along with Approved QP
Stainless steel	SA21330432(SP)/347H(SP)	INDIA	CHANDAN STEEL LIMITED**	UMBERGAON	CDS:OD:21.3mm to 65mm, Thick:2.6mm to 11.07mm	CAT-I inspection by NTPC along with Approved QP
Stainless steel	SA21330432(SP)/347H(SP)	INDIA	WELSPUN SPECIALTY SOLUTIONS LIMITED**	BHARUCH	CDS:OD:33.4mm to 76.2mm, Thick:3.5mm to 14.1mm	CAT-I inspection by NTPC along with Approved QP
Stainless steel	SA21330432(SP)/347H(SP)	INDIA	RATNAMANI METALS &TUBES LIMITED**	INDRAD	CDS:OD:33.4mm to 76.2mm, Thick:3.5mm to 14.1mm	CAT-I inspection by NTPC along with Approved QP
Stainless steel	SA21330432(SP)/347H(SP)	INDIA	JINDAL SAW LIMITED**	NAGATHONE	CDS:OD:38.1mm to 76.2mm, Thick:3mm to 14.1mm	CAT-I inspection by NTPC along with Approved QP
Stainless steel	SA21330432(SP)/347H(SP)	INDIA	MAXIM TUBES COMPANY PVT. LTD**	CHHATRAL	CDS:OD:upto 76.2mm, Thick:upto 14mm	CAT-I inspection by NTPC along with Approved QP
Stainless steel	SA21330432(SP)/347H(SP)	INDIA	HEAVY METALS & TUBES LTD**	KALOL	CDS:OD:21.3mm to 76.2mm, Thick:2.6mm to 10mm	CAT-I inspection by NTPC along with Approved QP
Stainless steel	SA21330432(SP)/347H(SP)	INDIA	VENUS PIPES & TUBES LIMITED**	BHUJ	CDS:OD:21.3mm to 76.2mm, Thick:2.6mm to 10mm	CAT-I inspection by NTPC along with Approved QP
Stainless steel	SA21330432(SP)/347H(SP)	FOREIGN	KOBE SPECIALITY STEEL CO LTD	JAPAN	All sizes	Inspection by IBR Approved TPI agency
Stainless steel	SA21330432(SP)/347H(SP)	FOREIGN	NIPPON STEEL & SUMITOMO METAL CORPORATION	JAPAN	OD upto 114.3 mm	Inspection by IBR Approved TPI agency
Stainless steel	SA21330432(SP)/347H(SP)	FOREIGN	POSCO SPECIAL STEEL CO	SOUTH KOREA	All sizes	Inspection by IBR Approved TPI agency
Stainless steel	SA21330432(SP)/347H(SP)	FOREIGN	SALZGITTER MANNESSMANN SEAMLESS TUBES	ITALY	All sizes	Inspection by IBR Approved TPI agency
Stainless steel	SA21330432(SP)/347H(SP)	FOREIGN	TUBACEX TUBOS INOXIDABLES, S.A	SPAIN	All sizes	Inspection by IBR Approved TPI agency
Stainless steel	SA21330432(SP)/347H(SP)	CHINESE	ZHEJIANG JIULI HI TECH	CHINA	Upto OD 159 mm, Thick 12.5 mm,	Inspection by IBR Approved TPI agency
Stainless steel	SA21330432(SP)/347H(SP)	CHINESE	JIANGSU WUJIN STAINLESS STEEL PIPE	CHINA	All sizes	Inspection by IBR Approved TPI agency
Stainless steel	SA21330432(SP)/347H(SP)	CHINESE	HUADI STEEL GROUP CO. LTD.	CHINA	All sizes	Inspection by IBR Approved TPI agency

Abbreviations:
HFS: Hot finished specification CDS: Cold drawn specification OD:Outside diameter Thick: Wall Thickness TPI : Third party inspection QP: Quality Plan

Note:

* Tubes has to be procured as per the BHEL Latest TDC:0:102

***Indian SS S30432 tube manufacturers has to procure raw material from the Approved steel manufacturers.(M/s Welspun speciality solutions, M/s Mukand , M/s Laxcon steels,M/s Chandan steels). Only one raw material source to be used by the Tube manufacturer for entire supply.