

Enquiry No 4101700030 dt 24.07.2017 - Procurement of F92 Forgings for Non NTPC projects

Date- 16.08.2017

Dear Sir / Madam,

Sub: Procurement of F92 Forgings for Non NTPC projects as per BHEL Enquiry- 4101700030 dt 24.07.2017.

With regard to the subject tender for the **"Procurement of F92 Forgings"** as per BHEL Enquiry No 4101700030 dt 24.07.2017, Corrigendum #1 is being issued for the following-

- Due date for Part I (PQR and Techno-Commercial) bid has been extended upto IST 14.00 HRS on 25.08.2017.
- Drawing Nos 3-80-452-33625, 3-80-310-33544 and 3-80-310-33543 have been revised to Revision 01. Previous revision R00 stands withdrawn.
- Raw material sourcing list- QCP 19 for Seamless Pipes has been revised to Revision 02. Previous revision R01 stands withdrawn.

Prospective bidders are requested to take note of the revision in drawings and raw material sourcing list and submit their quote accordingly before the extended tender due date.

For BHEL Piping Centre,

Anil Sree
Sr.Engineer / Purchase
BHEL Piping Centre

DRAWING No

(TYP)

R10
(TYP)

(TYP)

$$\frac{5(\text{min})}{(\text{TYP})}$$

01. DESIGN PRESSURE : 68.8 kg/sq.cm.(g)

02. DESIGN TEMPERATURE : 608° C

03. ALL DIMENSIONS ARE FINISHED DIMENSIONS.

04. MANUFACTURING, INSPECTION AND TESTING SHALL BE AS PER IBR, ASME B16.9 AND SA182

05. FITTING TO COMPLY WITH ASME B16.9 AND DIMENSIONS ARE AS PER THIS DRAWING.

06. FOLLOW TDG:104 (LATEST VERSION)

07. WEIGHT GIVEN IN BOM IS INDICATIVE ONLY.

VENDOR SHALL SUBMIT FINAL DRG WITH DIMENSIONS & ACTUAL WEIGHT FOR APPROVAL BEFORE MANUFACTURING.

08. CONSTRUCTION SHALL BE SEAMLESS

[illegible]

	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: Sl No 4, 15, 16 revised inline with NTPC approval letters. RM - Raw Material for NTPC projects					
Prepared By: Haritha.C			Approved By: Vivekananda Yellu		