

Corrigendum-II**A. Change in Quantity as tabulated below:**

Sl. No.	Material Code & Item Description	Initial QTY.		Revised QTY.	
		Total Quantity	LOT Quantity	Revised Total Quantity	Revised LOT Quantity
1	Material Code W97716001493 WELDED AUSTENITIC SS TUBE, GR 316 (FOR CONDENSER) SPEC: AA10753 REV: 09 SIZE: 22.225X0.7112X17900 DIM.: OD X TK,L	35626 Nos.	Lot-1, 32402 Nos. Lot-2, 3224 Nos	35561 Nos.	Lot-1, 32337 Nos. Lot-2, 3224 Nos
2	Material Code W97716001507 WELDED AUSTENITIC SS TUBE, GR 316 (FOR CONDENSER) SPEC: AA10753 REV: 09 SIZE: 22.225X1.244X17900 DIM.: OD X TK,L	3050 Nos.	Lot-1, 2774 Nos. Lot-2, 276 Nos.	3045 Nos.	Lot-1, 2769 Nos. Lot-2, 276 Nos.
3	Lifting Beam	01 No.		01 No.	

B. Change in QP as under:

Sl. No.	Initial QAP	Revised QAP
1	QP no. QA/BI/QP/306/Bhusawal (Rev. 02) dtd. 07/11/2020	QP no. QA/BI/QP/306/Bhusawal (Rev. 03) dtd. 07/11/2020

Price Schedule (Rev. 01) Enquiry No. B/4222/2018/5374V3 Welded Austenitic SS Tubes (for Condenser) Project: 1X660MW Bhusawal TPS Unit-6							
Sl. No.	Item Description	Unit	Quantity Required	Basic Material Price for each number Ex-works (Duly Packed) INR / No.	Total Material Prices Ex-Works (INR)	Freight Charges upto Bhusawal TPS Unit-6 Project Site	Total Value
1	Material Code W97716001493 WELDED AUSTENITIC SS TUBE, GR 316 (FOR CONDENSER) SPEC: AA10753 REV: 09 SIZE: 22.225X0.7112X17900 DIM.: OD X TK,L	Number	"A"	"B"	"C=A X B"	"D"	"E=C+D"
			35561				
2	Material Code W97716001507 WELDED AUSTENITIC SS TUBE, GR 316 (FOR CONDENSER) SPEC: AA10753 REV: 09 SIZE: 22.225X1.244X17900 DIM.: OD X TK,L	Number	3045				
3	Lifting Beam	Number	1 No.				
Total Package Price							

MANUFACTURER'S NAME AND ADDRESS			STANDARD QUALITY PLAN					TO BE FILLED BY BHEL					
BHEL		ITEM	WELDED AUSTENITIC SS TUBES		QP NO.	QA/BI/QP/306/BHUSAWAL							
				REV.	03								
		DRG. NO./ SIZE		AS PER PO									
		SPEC.		AA10753									
		REV		AS PER PO			Page 1 of 2						
SL. NO.	COMPONENT & OPERATIONS	CHARACTERISTICS		CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORDS		AGENCY		REMARKS
									M	B	N		
1	2	3		4	5	6	7	8	9	D	10		11

1	RECEIVING COIL INSPECTION	IDENTIFICATION & VERIFICATION OF SUPPLIER'S CERTIFICATE VISUAL & DIMENSIONS CHEMICAL / MECHANICAL PROPERTIES	MAJOR	VERIFICATION OF MILL TC & VISUAL INSPECTION	100%	VENDOR'S STD.	BHEL SPEC	MILL TC IR	√	P	V	-	REFER NOTE-1
2	FORMING & WELDING	WELDING PARAMETERS	MAJOR	VISUAL	100%	-DO-	VENDOR'S STD	IR	√	P	V	-	
3	ID BEAD ROLLING	ID BEAD HEIGHT	MAJOR	MEASURE	100%	-DO-	BHEL SPEC	IR	√	P	V	-	
4	TUBE CLEANING	SURFACE CLEANLINESS	MAJOR	VISUAL	100%	-DO-	VENDOR'S STD	IR	√	P	V	-	
5	BRIGHT ANNEALING	TIME & TEMP	MAJOR	MEASURE	100%	BHEL APPROVED VENDOR'S STANDARD	BHEL SPEC	IR	√	P	V	-	
6	STRAIGHTNESS	STRAIGHTNESS	MAJOR	MEASURE	100%	BHEL SPEC	BHEL SPEC	IR	√	P	V	-	
7	ECT	EDDY CURRENT TEST	CRITICAL	VISUAL	100%	BHEL SPEC/ ASTM E 426	BHEL SPEC	TC	√	P	W*	-	* 10% RANDOM
8	HYDRO OR AIR UNDER WATER TEST	LEAKAGE, PRESSURE & DURATION WATER QUALITY IN CASE OF HT / AIR UNDER WATER	CRITICAL MAJOR	MEASURE MEASURE	100% 100%	BHEL SPEC BHEL SPEC	NO LEAKAGE BHEL SPEC	TC	√	P	W* V	- -	Air differential pressure test is acceptable in place of hydro / air under water test as per BHEL approved procedure
9	TEST ON TUBES	PRODUCT ANALYSIS	CRITICAL	CHEMICAL	1/HEAT	BHEL SPEC	BHEL SPEC	TC	√	P	V	-	** RANDOM

		LEGEND: ! RECORDS IDENTIFIED WITH 'TICK' SHALL BE ESSENTIALLY INCLUDED BY CONTRACTOR IN QA DOCUMENTATION. M: MANUFACTURER / SUBCONTRACTOR B: BHEL / NOM. INSPECTION AGENCY N: CUSTOMER INDICATE 'P' PERFORM 'W' WITNESS AND 'V' VERIFICATION	FOR CUSTOMER USE	
MANUFACTURER / SUBCONTRACTOR		ALL 'W' INDICATED IN COLUMN 'N' SHALL BE 'CHP' OF CUSTOMER		APPROVED BY

MANUFACTURER'S NAME AND ADDRESS			STANDARD QUALITY PLAN					TO BE FILLED BY BHEL					
BHEL		ITEM	WELDED AUSTENITIC SS TUBES	QP NO.	QA/BI/QP/306/BHUSAWAL								
				REV.	03								
		DRG. NO./ SIZE		AS PER PO									
		SPEC.		AA10753									
		REV		AS PER PO		Page 2 of 2							
SL. NO.	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORDS		AGENCY			REMARKS
								M	B	N			
1	2	3	4	5	6	7	8	9	D	10			11

		TENSILE TEST HARDNESS		MECH.	2/LOT						W		
		FLATTENING FLANGE			1/LOT						W**		
		REVERSE BEND			1/450 MT						W**		
		INTERGRANULAR TEST		CORROSION	1/HEAT						W		
		SURFACE ROUGHNESS		MEASURE	1/HEAT						W		
		RERSIDUAL STRESS		MEASURE	1/LOT	BHEL APPROVED VENDOR'S STD					W**		
10	FINAL INSPECTION	OD / WT / SEAM HEIGHT / STRAIGHTNESS / VISUAL/LENGTH	MAJOR	MEASURE	100%	BHEL SPEC & PO	BHEL SPEC & PO	IR	√	P	W*	-	* 10% RANDOM
11	IDENTIFICATION / PACKING		MAJOR	VISUAL	100%	BHEL APPROVED PACKING BOX DRAWING	BHEL SPEC	IR	√	P	V	-	

TC: TEST CERTIFICATE

IR: INSPECTION RECORD

NOTE 1: TUBES SHALL BE FORMED FROM THE STRIPS HAVING NOMINAL THICKNESS OF 0.7112MM (22 BWG) AND 1.244MM (18 BWG) RESPECTIVELY. IN SUPPORT OF THIS, BIDDER TO FURNISH PO/TC FOR THE STRIP PROCURED SAME AS NOMINAL THICKNESS OF THE FINISHED TUBES. EITHER OF THE DOCUMENTS MUST CLEARLY INDICATE THE QUANTITY.

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MANUFACTURER / SUBCONTRACTOR		ALL 'W' INDICATED IN COLUMN 'N' SHALL BE 'CHP' OF CUSTOMER		APPROVED BY