

# SAMPLE QUALITY PLAN FORMAT

SHEET 1 of 2

QUALITY PLAN			CUSTOMER: NTPC			PROJECT: 2X500 MW MAUDA STPP			SPEC. NO :PE-SS-999-142-M010			
SHEET 1 OF 2			BIDDER/VENDOR: PENNANT			QP NO.:PE-QP-303-100-M002 REV: 00 DT 20.07.10			SPEC. TITLE :STEAM TRAPS			
SYSTEM POWER CYCLE			ITEM: SS THERMODYNAMIC STEAM TRAPS			SECTION			VOLUME			
S.NO.	COMPONENT/ OPERATION	CHARACTERISTICS CHECKED	CATE- GORY	TYPE/METHOD OF CHECK	EXTENT OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	AGENCY	REMARKS		
									P	W	V	
1.0	RAW- MATERIAL											
1.1	BODY,CAP.DISC AND PLUG	1. PHYSICAL, CHEMICAL PROPERTIES	MA	PHYS. CHEM. ANALYSIS	ONE/HEAT /BATCH	APPD. DRG./ TECH. SPEC.	APPD. DRG./ TECH. SPEC.	TEST CERT.	3/2	2	1	CORRELATION REQD (except disc & plug)
		2. SURFACE DEFECTS	MA	VISUAL	100%	MSS-SP-55	MSS-SP-55	INSPN. REPORT	3/2	2	1	
		3. DIMENSIONS	MA	MEASUREMENT	100%	APPD. DRG./ TECH. SPEC.	APPD. DRG./ TECH. SPEC.	-DO-	3/2	-	-	
1.2	SCREEN	1.CHEMICAL PROPERTIES AND MESH SIZE	MA	CHEMICAL TEST & MEASUREMENT	ONE PER LOT	APPD. DRGS./ DATA SHEET	APPD. DRGS./ DATA SHEET	LAB REPORT/ INSP. REPORT	3/2	2	1	MESH SIZE AND MESH PERFORMANCE DIA. SHALL ALSO BE CHECKED.
2.0	MACHINING											
2.1	ALL COMPONENTS	1. DIMENSIONS	MA	MEASUREMENT	100%	-DO-	-DO-	INSP. REPORT	3/2	-	-	
		2. SURFACE DEFECTS	MA	VISUAL EXAM.	100%	MSS-SP-55	MSS-SP-55	-DO-	3/2	-	-	
		3. HARDNESS OF DISC	CR	HARDNESS TEST	100%	APPD. DRGS./ DATA SHEET ASTM E165	APPD. DRGS./ DATA SHEET NO DECECTS	-DO-	3/2	2		
		4. DISC SEAT & BODY SEAT	CR	SURFACE DEFECT	100%			-DO-	3/2	2		
		5. CONTACT SURFACE BETWEEN BODY SEAT AND DISC	CR	BLUE MATCHING	100%	-DO-	UNIFORM METAL TO METAL CONTACT	INSP REPORT	3/2	2		
3.0	ASSEMBLY INSPECTION	1. CLEANING & DEBURING	MA	VISUAL	100%	TECH SPEC.	TECH SPEC	LOG BOOK	3/2	-		
		2. DIMENSIONS	CR	MEASUREMENT	100%	-DO-	APPD. DRGS./ DATA SHEET	INSP. REPORT	3/2	2.1		
		3. LEAK TIGHTNESS OF BODY	CR	HYDRAULIC TEST	20 %	APPD. DRG./ TECH. SPEC./ DATA SHEET	NO LEAKAGE	TC/IBR FORMAT	3/2	1		

This approval status shall be interpreted as laid down in the contract and it shall not relieve the contractor from his contractual obligations.

**APPROVAL CATEGORY AWARDED**

CAT I = Approved

CAT II = Batchwise

CAT III = Not Approved

CAT IV = Reference Drawing

**APPROVED BY**

BHEL - PEM

DEPARTMENT

NAME: MPL

SIGNATURE: [Signature]

DATE: 20.07.10

BHEL	PARTICULARS	BIDDER/VENDOR
<u>[Signature]</u>	NAME	
Engineer (MPL)	SIGNATURE	
PEM	DATE	


BIDDER'S/VENDOR'S COMPANY SEAL

REF. ENQUIRY NO. PE/PG/MOU/E-3729/12 dt. 19/09/2012



# SAMPLE QUALITY PLAN FORMAT

SHEET 2 of 2

		<b>QUALITY PLAN</b>		<b>CUSTOMER: NTPC</b>		<b>PROJECT: 2X500 MW MAUDA STPP</b>		SPEC. NO : PE-SS-999-142-M010		
				<b>BIDDER/VENDOR: PENNANT</b>		<b>QP NO.:PE-QP-303-100-M002   REV: 00 DT 20.07.10</b>		SPEC. TITLE : STEAM TRAPS		
<b>SHEET 2 OF 2</b>		<b>SYSTEM</b>		<b>POWER CYCLE</b>		<b>ITEM: SS THERMODYNAMIC STEAM TRAPS</b>		<b>SECTION VOLUME</b>		
<b>S.NO.</b>	<b>COMPONENT/ OPERATION</b>	<b>CHARACTERISTICS CHECKED</b>	<b>CATE- GORY</b>	<b>TYPE/METHOD OF CHECK</b>	<b>EXTENT OF CHECK</b>	<b>REFERENCE DOCUMENT</b>	<b>ACCEPTANCE NORMS</b>	<b>FORMAT OF RECORD</b>	<b>AGENCY</b>	<b>REMARKS</b>
									P W V	

3.0	ASSEMBLY INSPECTION CONTD. (-----)	4. FUNCTION OF TRAP	CR	PERFORMANCE TESTING IN SIMULATED CONDITIONS (REF. ATTACHED TEST PROCEDURE)	10% (RANDOM) MIN. 1 NO.	APPD. DRG./ TECH. SPEC./ DATA SHEET	TECH. SPEC./ DATA SHEET/APPD. DRG	TEST CERT.	2	2.1	1	AS PER ATTACHED TEST PROCEDURE (TO BE CARRIED OUT IF TOTAL QTY. IS MORE THAN 5) CHP-REFER NOTE
4.0	SOCKET WELD ENDS	1.DIMENSIONS	CR	TEMPLATE	100%	APPD. DRG./ TECH. SPEC.	APPD. DRG./TECH. SPEC.	INSP. REPORT	2	1	-	
		2. SURFACE DEFECTS	CR	PT	100%	ASTME 165	NO SURFACE DEFECTS	-DO-	2	2	1	
5.0	PAINTING	SURFACE PREPARATION AND PAINTING	MA	VISUAL	100%	APPD DRG	APPROD DRG	-DO-	2	2	1	
6.0	PROVISION OF NAME PLATE & PACKING IN WOODEN CASESON	AS PER TECH. SPEC.	MA	VISUAL	100%	APPD DRG./ TECH. SPEC.	APPD DRG./ TECH. SPEC.	-DO-	3/2	-	1	

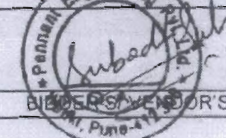
## ABBREVIATIONS

CR= CRITICAL CHARACTERISTIC P= PERFORMED BY, W = WITNESSED BY V = VERIFIED BY  
MA=MAJOR CHARACTERISTIC, 1= PURCHASER (BHEL) 2 = VENDOR, 3 = SUB VENDOR OF THE VENDOR

NOTE: SUCCESSFUL VENDOR SHALL SUBMIT FUNCTIONAL TEST PROCEDURE OF TRAP ALONG WITH QP IMMEDIATELY AFTER ORDER IS PLACED FOR APPROVAL.

<b>BHEL</b>	<b>PARTICULARS</b>	<b>BIDDER/VENDOR</b>
	NAME	
	SIGNATURE	
	DATE	

Engineer (MPL)  
PEM



REF. ENQUIRY NO. PE/PG/MOU/E-3729/12 dt. 19/09/2012

This approval shall be interpreted as laid down in the contract and it shall not relieve the contractor from his contractual obligations.

**APPROVAL CATEGORY AWARDED**

CAT-I = Approved  
CAT-II = Approved with Comments as Noted  
CAT-III = Not Approved  
CAT-IV = Reference Drawing

**APPROVED BY**

BHEL - PEM  
DEPARTMENT  
NAME  
SIGNATURE  
DATE

MPL  
2007.10