VEN	VENDOR'S NAME & ADDRESS: TYPICAL M						CTURING Q	UALITY PLA	N	QAP. NO						
			CUSTOMER: PROJECT:	BHEL, H	IYDERABAD –32.	BHEL P.C				REV I	NO:		[	DATE	:	
				ate, Glob	oe & Check Valve	BHEL SPI		EV:				PA	GE 1	OF 5	;	
SL NO	COMPONENTS	CHARAC	CTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS			* D	AG P	W	V	REMARKS	
1.0	RAW MATERIALS	S & BOUG	HT OUT ITEM	S												
1.1		Chemical properties		Major	Chem. & Mech. Analysis	One per Heat			МТО	С	<b>√</b>	2		1&3		
1.2		Impact Te	est	Major	Destructive test	One per Heat					<b>√</b>	2	2	1&3		
1.3	Body, Cover Bonnet / Yoke	Heat Trea	atment	Major	HT chat review	100%			HT ch	nat	✓	2	2	1&3		
1.4		RT/UT Te	est	Major	NDE	As per spec.			NDE Re	ports	✓	2	2	1&3	Note : 8	
1.5		IGC		Major	IGC Test	One per Heat			тс		✓	2	2	1&3	Note : 9	
1.6	Trim (Stem, Seat, Flap /	Chemical properties		Major	Chem. & Mech. Analysis	One per Heat	RHEL Specifica	tion / Approved	МТС	0	✓	2		1&3		
1.7	Disc, Hinge pin, arm, body seat, body seat ring, disc seat, disc	MPI*		Major	NDT	100%	Drawing / Data s		TC		<b>√</b>	2	2	1&3	*Other than SS material	
1.8	nut, thrust plate, back seat bushing, Wedge, Spindle,	Hardness	value	Major	Hardness Test	100%			TC		✓	2	2	1&3	Note :10	
1.9	back seat as applicable)	IGC		Major	IGC Test	One per Heat			тс		✓	2	2	1&3		
1.10		Chemical properties		Major	Chem. & Mech. Analysis	One per Heat			МТО		✓	2		1&3		
1.11	Gaskets		mensions, mpressibility	Major	Visual & Measurement	100%			TC		<b>&gt;</b>	2	2	1&3		
1.12	FASTENERS (Bolt, Nut, Stud,	Chemical Mechanic	& al Properties	Major	Chem. & Mech. Analysis	One per Heat			МТО	0	✓	2		1&3		

LEGEND: P: PERFORM, W: WITNESS, V: VERIFICATION. INDICATE 1 FOR BHEL	PREPARED BY	APPROVED BY	APPROVED BY
(OR BHEL NOMINATED INSPECTION AGENCY), 2 FOR VENDOR/SUB VENDOR & 3			
END USER / CUSTOMER AS APPROPRIATE AGAINST EACH COMPONENT			
/CHARACTERISTIC UNDER P, W & V COLUMNS. * FOR ITEMS MARKED ✓ (TICK) IN			
COLUMN 'D', TEST CERTIFICATES SHALL BE SUBMITTED TO BHEL FOR RECORDS.	VENDOR'S SIGNATURE & STAMP	BHEL QA SIGNATURE & STAMP	CUSTOMER'S SIGNATURE & STAMP

VEN	DOR'S NAME & AD	DRESS:		TYPICAL M	ANUFA	FACTURING QUALITY PLAN QAP. NO									
				BHEL, H	IYDERABAD –32.	BHEL P.C				REV	NO:		I	DATE	:
			PROJECT: PRODUCT: 0	ate. Glob	oe & Check Valve	P.O.DATE BHEL SP		≣V:			PAGE 2 OF 5				
SL NO	COMPONENTS	CHARAC	CTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMA RECC		* D	AC P	GENO W	V	REMARKS
1.13	Eye Bolt etc.)		mensions, atment, Type, etc.	Major	Visual & Measure. Hardness Test	100%			TC	,	<b>√</b>	2	2	1&3	
1.14	Accessories Like Gear /	Chemical properties	· · · · · · · · · · · · · · · · · · ·		Chem. & Mech. Analysis	One per Heat			МТО	0	<b>√</b>	2		1&3	
1.15	Hand Wheel / Actuator	Make, Mo Operation	·		Visual & Functional	100%			тс	;	<b>✓</b>	2	2	1&3	
1.16	Gland Packing	Chemical & Mech. properties		Major	Chem. & Mech. Analysis	One per Heat			МТО	Э	<b>✓</b>	2		1&3	
2.0	2.0 INPROCESS INSPECTION														
2.1		Surface fi Machining		Major	Visual	100%	BHEL Specifica Drawing / Data s	tion / Approved heet	IIR		<b>✓</b>	2	2	1&3	
2.2	Bonnet/bonnet/ wedge/ seat ring/trim	LPI For Surfaces, Welding Valves		Major	NDE	100%	BHEL Specification / Approved Drawing / Data sheet		NDE Re		<b>✓</b>	2	2	1&3	
2.3		Dimensio	ns	Major	Measurements	100%	·		IIR		<b>✓</b>	2	2	1&3	
2.4	SS & AS PARTS	PMI		Major	NDE	100%	BHEL Specification / Approved Drawing / Data sheet		IR		<b>✓</b>	2	2	1&3	
3.0	FINAL INSPECTION	ON & TES	TING												
3.1	Valve Assembly	Visual Ins Dimensio	spection, nal check	Critical	Visual & measurement	100%	MSS SP55/BHE Approved Drawii		IIR		<b>✓</b>	2	1,2 &3		10% shall be witnessed by 1&3

LEGEND: P: PERFORM, W: WITNESS, V: VERIFICATION. INDICATE 1 FOR BHEL	PREPARED BY	APPROVED BY	APPROVED BY
(OR BHEL NOMINATED INSPECTION AGENCY), 2 FOR VENDOR/SUB VENDOR & 3			
END USER / CUSTOMER AS APPROPRIATE AGAINST EACH COMPONENT			
/CHARACTERISTIC UNDER P, W & V COLUMNS. * FOR ITEMS MARKED ✓ (TICK) IN			
COLUMN 'D', TEST CERTIFICATES SHALL BE SUBMITTED TO BHEL FOR RECORDS.	VENDOR'S SIGNATURE & STAMP	BHEL QA SIGNATURE & STAMP	CUSTOMER'S SIGNATURE & STAMP

VEN	DOR'S NAME & AD	DRESS:			TYPICAL M	ANUFA	FACTURING QUALITY PLAN QAP. NO								
				BHEL, H	IYDERABAD –32.	BHEL P.C				REV	NO:		[	DATE	:
			PROJECT:	Sate Glob	oe & Check Valve	P.O.DATE BHEL SP	<del></del> -	EV:				PA	GE 3	OF:	5
SL	COMPONENTS	CHADAC		1	TYPE OF	QUANTUM		ACCEPTANCE	FORMA	T OF	*	AC	GENO	CY	DEMARKS
NO	COMPONENTS	CHARAC	CTERISTICS	CLASS	CHECK	OF CHECK	DOCUMENT	DOCUMENT NORMS		RD	D	Р	W	٧	REMARKS
3.2		Hydro test for - a) body and bonnet b) seat c) back seat d) Air leak test		Critical	Pr. Testing	100%	API 598 / BHEL Specification / Approved Drawing / Data sheet		TC	:	<b>✓</b>	2	1,2 &3		10% shall be witnessed by 1&3
3.3		Gear Operation Check		Critical	Testing	100%	BHEL Specificat Drawing / Data s		TC	:	<b>✓</b>	2	1,2 &3		by 183
3.4	Valve Assembly	PMI Test		Critical	Testing	100%	BHEL Specification / Approved Drawing / Data sheet		IR		<b>✓</b>	2	1,2 &3		Accessible parts of SS & AS Material
3.5		Galvanization (Uniformity, Thickness of Major Coating etc.)		Visual & Measurement	100%			TC / I	TR	<b>✓</b>	2	2	1&3	for Galvanized Valve	
3.6		Name Pla Tag No.	ite Check /	Critical	Visual & Doc Verification	100%	BHEL Specificat Drawing / Data s		IR		<b>√</b>	2	1,2 &3		10% witnessed by 1&3
3.7		Fire Safe	Test *	Critical	Type test	100%			тс		✓	2	2	1&3	*If applicable
3.8		IBR certif	ication *	Critical	Verification	100%	BHEL Specification / Approved Drawing / Data sheet/IBR Norms		IBR certific		✓	2		1&3	*If applicable
3.9	SPARES FOR VALVE	ВО	M & TC	Major	Visual & TC review	100%	BHEL Specification / Approved Drawing / Data sheet		тс	: 	<b>✓</b>	2	1&3		
4.0	PRESERVATION	& PACKIN	IG												
4.1	Valve Assembly	Surface F (Blast Cle	Preparation aning)	Major	Visual & Match Card	100%	BHEL Specification / Approved Drawing / Data sheet		Log Bo	ook	<b>✓</b>	2	2	1&3	SA 2.5 Copper Grit

LEGEND: P: PERFORM. W: WITNESS, V: VERIFICATION, INDICATE 1 FOR BHEL	PREPARED BY	APPROVED BY	APPROVED BY
(OR BHEL NOMINATED INSPECTION AGENCY), 2 FOR VENDOR/SUB VENDOR & 3			
END USER / CUSTOMER AS APPROPRIATE AGAINST EACH COMPONENT			
/CHARACTERISTIC UNDER P, W & V COLUMNS. * FOR ITEMS MARKED ✓ (TICK) IN			
COLUMN 'D', TEST CERTIFICATES SHALL BE SUBMITTED TO BHEL FOR RECORDS.	VENDOR'S SIGNATURE & STAMP	BHEL QA SIGNATURE & STAMP	CUSTOMER'S SIGNATURE & STAMP

VEN	IDOR'S NAME & AD	DRESS:			TYPICAL M	ANUFACTURING QUALITY PLAN					NO						
				: BHEL, H	IYDERABAD –32.	BHEL P.O.NO.:					NO:			DATE:			
			PROJECT: PRODUCT: (	Sate, Glob	oe & Check Valve		P.O.DATE: BHEL SPEC: REV:					PA	AGE 4 OF 5				
SL NO	COMPONENTS	CHARA	HARACTERISTICS		TYPE OF CHECK	QUANTUM OF CHECK		ACCEPTANCE NORMS	FORMA RECC		* D	A(	SENC W	V	REMARKS		
4.2		I (Shade DELetc.)   Major L.			Visual & DFT Measurement	Random	PHEL Charificat	tion / Approved	IR		✓	2	1,2 &3		Note: 12		
4.3	Valve Assembly	Preservation and End Protection		Major	Visual	100%	BHEL Specification / Approved Drawing / Data sheet		ITF	~	>	2	1,2 &3		10% witnessed by 1&3 Note: 13		
4.4		Packing*		Major	Visual	Random	BHEL Specification / Approved Drawing / Data sheet		Packin	g list	<b>√</b>	2	1,2 &3		*witnessing of seaworthy packing for export orders		

### Notes:-

- 1. This QAP should be read along with specification (latest revision), approved drawings & approved data sheet.
- 2. Specification/drawing/data sheet shall prevail over quality plan for contradiction if any between Quality plan and drawing/specification.
- 3. All test certificates/reports reviewed and certified by TPI/BHEL shall be submitted to BHEL as documentation package.
- 4. Any project/customer specific requirements, which shall be notified, have to be fulfilled by the vendor at the time of execution of order.
- 5. Material test certificate shall include tensile, impact, hardness, bend, IGC, hot tensile, grain size, chemical analysis etc. as required by applicable material code / approved drawing /data sheet.
- 6. Welding shall be done as per approved WPS if involved.
- 7. One product analysis of each heat shall be carried out and reported. Chemical analysis shall be as per applicable specification with carbon content not exceeding 0.23% and Carbon Equivalent (Ce) shall not exceed 0.43.
- 8. Radiography Test (min 2 shots in diff. directions) for Castings and Ultrasonic Test for Forgings as per ASME B 16.34. RT & UT- Quantum of check is as per spec AA0851403, Cl. No 5.4.1 and 5.4.2 of Table 3.
- 9. IGC test as per ASTM A262 Practice B/E and Microscopic Structure Examination at 250X Magnification for SS Valves.
- 10. Hardness values as per the technical delivery conditions for valves spec. AA0851403, Cl. No 2.6 of Table I.
- 11. Hydro test shall be done in un-painted condition as per approved procedure/relevant code.
- 12. Marking inspection as per the technical delivery conditions for valves spec AA0851403, Cl. No 10.
- 13. Preservation inspection as per the technical delivery conditions for valves spec AA0851403, Cl. No 11 & 12

LEGEND: P: PERFORM, W: WITNESS, V: VERIFICATION. INDICATE 1 FOR BHEL	PREPARED BY	APPROVED BY	APPROVED BY
(OR BHEL NOMINATED INSPECTION AGENCY), 2 FOR VENDOR/SUB VENDOR & 3			
END USER / CUSTOMER AS APPROPRIATE AGAINST EACH COMPONENT			
/CHARACTERISTIC UNDER P, W & V COLUMNS. * FOR ITEMS MARKED ✓ (TICK) IN			
COLUMN 'D', TEST CERTIFICATES SHALL BE SUBMITTED TO BHEL FOR RECORDS.	VENDOR'S SIGNATURE & STAMP	BHEL OA SIGNATURE & STAMP	CUSTOMER'S SIGNATURE & STAMP
	VENDOR O CICION TO THE GOTT MINI	Brief & Clory (101)	COCTOMERO CICITATIONE & CITAMI

VENDOR'S NAME & ADDRESS: TYPICAL M							IANUFACTURING QUALITY PLAN QAP. NO									
					BHEL, H	YDERABAD –32.	BHEL P.O.NO.:					VO:	:		ATE	
PROJECT: PRODUCT: Gate, Globe 8					e & Check Valve	P.O.DATE:   BHEL SPEC: REV:					PAGE			5 OF 5		
	SL NO	COMPONENTS	S CHARACTERIS		CLASS		QUANTUM OF CHECK		ACCEPTANCE NORMS	FORMA RECC		* D		W	Y V	REMARKS

<sup>14.</sup> NACE requirement: For valves coming under NACE category, all tests, reports, MTC and certificates shall be submitted as per NACE requirements (MR0103). Valve material should be resistance to Sulfide Stress Cracking and Stress Corrosion Cracking in sour environment.

# Abbreviations:-

MTC-Material Test certificate,TC-Test Certificate,IIR-Internal Inspection ReportIBR-Indian Boiler RegulationsDFT-Dry Film ThicknessNDE-Non Destructive Examination

LEGEND: P: PERFORM, W: WITNESS, V: VERIFICATION. INDICATE 1 FOR BHEL	PREPARED BY	APPROVED BY	APPROVED BY
(OR BHEL NOMINATED INSPECTION AGENCY), 2 FOR VENDOR/SUB VENDOR & 3			
END USER / CUSTOMER AS APPROPRIATE AGAINST EACH COMPONENT			
/CHARACTERISTIC UNDER P, W & V COLUMNS. * FOR ITEMS MARKED ✓ (TICK) IN			
COLUMN 'D', TEST CERTIFICATES SHALL BE SUBMITTED TO BHEL FOR RECORDS.	VENDOR'S SIGNATURE & STAMP	BHEL QA SIGNATURE & STAMP	CUSTOMER'S SIGNATURE & STAMP

<sup>15.</sup> All lab reports shall be from NABL accredited lab.



# PROJECT ENGINEERING & SYSTEMS DIVISION RC PURAM, HYDERABAD. QUALITY & BUSINESS EXELLENCE

## INSPECTION / TO REVIEW FORMAT

			1115	PECTION	V/ICRE	VIEW FOR	KIVIA I				
1	Vendor's N	ame:			5	Applicable BH	EL Spec No:				
2	Project:				6	Approved Drav					
3	PO No:	<u> </u>			7	Approved Data	Sheet No:				
4	Item Descr	iption:			8	Approved QAP	No:				
					OFFER LIS	Т					
S.No	BBU/ PO		Item Descript	tion	Total Qty as	Qty. already	Qty offered for TC review	Cumulat	ive	Balance	
_	Sr. No.				per PO/BBU	accepted	for IC review	Qty		Qty	
A											
B C											
D											
ן ט				TC R	EVIEW REQU	ISITION					
BBU / PO Sr. No. Clause No. Format of Record Certificate No. & Date No. REMARKS											
	No.   Clai		L					NO.			
		-									
ı	B. Item De	escription	<u> </u>								
		•									
	C. Item De	escription	)•								
		Journal									
	D 14 D		-								
	D. Item De	escription	1:								
ı	E. Item De	escription	): 					<u> </u>			
SUP	PLIER / VI	ENDOR SI	GNATURE '	WITH SEAL		BHEL/ BHEL'	s TPIA SIGNAT	TURE WIT	H SI	EAL	

Dt:

Format No: PESD/QA/10, Rev: 00

Dt:

TD-201	Rev No. 00
TD-2	Rev No

Form No.



### **PRODUCT STANDARD**

# PROJECT ENGINEERING & SYSTEMS DIVISION HYDERABAD

Α	Ν	Ν	ΕX	ίU	RE	-

Page 1 of 3

# **QAP GUIDELINES & FORMAT**

(ANNEXURE - )

The QAP format and guidelines for filling up the format shall be used by vendor for preparation and submission of QAP after order placement.

### Note:

- 1. Typical /Indicative /Standard QAP(s) for equipment /package attached is reference document and to use by successful bidder in future for preparation and submission of detailed QAP for BHEL /CUSTOMER approval.
- 2. No deviation to Typical /Indicative /Standard QAP is acceptable.

# COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED, It must not be used directly or indirectly in any way detrimental to the interest of the company.

# बी एच ई एल **H**HYDERABAD

# **PRODUCT STANDARD**

# PROJECT ENGINEERING & SYSTEMS DIVISION HYDERABAD

4	N	N	ΕX	u	R	F.
╮	13	11 7	-	v	n	ᆫ.

Page 2 of 3

# GUIDELINES TO VENDORS FOR PREPARATION OF QUALITY ASSURANCE PLAN

- 1. QAP shall be made in landscape mode on A4 size paper as per the format enclosed. Font size shall be minimum 10.
- 2. Each page of QAP shall contain the following information.
  - a) Vendor's name & address.
  - b) Customer: BHEL, Hyderabad.
  - c) Project.
  - d) BHEL Product Standard Number/revision number as referred in P.O.
  - e) BHEL Purchase Order Number & Date.
  - f) Product as per P.O. description.
  - g) QAP Number (unique and shall not repeat)/revision number/date.
  - h) Page number and number of pages
- 3. QAP shall contain four parts / stages as follows.
  - a) Raw materials and bought out items.
  - b) In process Control / Inspection.
  - c) Final assembly, Inspection & Testing.
  - d) Painting, preservation & packing.
- 4. Under 'Component', indicate name of the component (say casing, rotor, pressure gauge, etc).
- 5. Under 'Characteristics', indicate appropriately (say chemical analysis, mechanical properties, NDT (UT,DP etc.), hydrostatic test, calibration check etc.)
- 6. Under 'Class', indicate minor, major or critical depending on the importance of characteristic.
- 7. Under 'Type of check', indicate appropriately (say chemical, mechanical, UT, DP etc.)
- 8. Under 'Quantum of check', indicate appropriately (say 100%, 10%, sample, per melt, per heat, all pieces etc.)
- 9.Under 'Reference document' and 'Acceptance norms', appropriate National & International standards, BHEL standards, approved drawing references etc. should be indicated. It is not correct to mention as "Vendor's internal standards or Vendor's standard practice etc.". If vendors' internal standards are referred, same shall be in line with BHEL Spec. indicated in the P.O. These may require review & approval by our Engineering dept.
- 10. Under 'Format of record', indicate appropriately supplier's test certificate, calibration certificate, lab report, inspection report etc.
- 11. Please refer 'Agency' in QAP format.
  Under P: Perform, W: Witness, V: Verify
  Indicate against each characteristic 1: (BHEL CQS/Nominated inspection agency), OR

COPYRIGHT AND CONFIDENTIAL

The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED.

It must not be used directly or indirectly in any way detrimental to the interest of the company.

Ref. Doc

# orm No.

### **PRODUCT STANDARD**

### PROJECT ENGINEERING & SYSTEMS DIVISION **HYDERABAD**

annexure
----------

Page 3 of 3

2: (Vendor / Sub vendor)

Note: Performing agency is normally vendor or his sub vendor (Legend 2). Where witness points are indicated in specification, P.O., Drawing etc., for such operations, under Witness (W) column use 1. Under 'Verify' column, use code1.

- 12. Under 'D' please put (☐ Tick) against each characteristic where vendor proposes to submit test certificate/report etc. OR as required as per BHEL Specification.
- 13. Vendor's signature & stamp should be available on each page of QAP.
- 14. Vendor should read the BHEL Product Standard thoroughly and QAP should be made only inline and relevant to the Specification & Approved Drawings.
- 15.The following operations/characteristics/check points may included (AS APPROPRIATE)
  - a) Visual check
  - b) Dimensional check
  - c) Mechanical and Chemical properties.
  - d) Surface preparation before painting (by chemical cleaning, sand blasting, shot blasting etc. as the case may be.)
  - e) Painting check for shade, Dry Film Thickness (DFT), Adhesion/peel off test etc.
  - f) Check for correctness for all components mounted as per General arrangement Drawing, Bill Of Materials (BOM), etc. for range, rating, make, color, size, location as per GA, quantity, label description including tag nos., annunciator facia, loose components, accessories, spares etc.
  - g) Verification of test certificate for protection class for the enclosures.
  - h) Mechanical functioning of switches.
  - i) Continuity of earthing and provision of earth points.
  - j) Colour coding of wiring, size, tightness & dressing of wiring.
  - k) Review of test certificates of assembled items, raw materials, internal test reports etc.
  - 1) Witness of functional checks, which may include mechanical run & electrical run, H.V.test, IR measurement, Electrical and Mechanical tests etc.
  - m) POR, WPS, Welder Qualification Record, welding records (fit up, DP) etc.
  - n) Material identification (for punch marks of serial numbers, Heat No, Melt No, Inspector's stamp etc.)
  - o) Hydraulic Pressure Test, Pneumatic Pressure Test, Liquid Penetration Examination and other Non Destructive Tests.
  - p) Tests on Galvanised items (Visual, Hammer Test, Knife Test, Thickness, Pierce Test (Copper sulphate test), Hydrogen evaluation test, Stripping test (for Mass of Zinc coating)
  - q) All tests as per BHEL Product Standard & approved drawings including Type tests and Routine tests on individual items and on System as a whole.
  - r) For loose items, test certificate or COC is required.
  - s) Packing and Preservation.
- 16. QAP Format enclosed.
- 17. Typical Manufacturing QAP is attached.

# It must not be used directly or indirectly in any way detrimental to the interest of the company. The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED. COPYRIGHT AND CONFIDENTIAL

VENDOR'S NAME & ADDRESS:		MANUFACTURING QUALITY PLAN							QP. NO.:						
			CUSTOME				BHEL P.O.NO.:		REV NO:			DA	DATE:		
PROJECT:					P.O.DATE:			PAGE 1 OF 1				1			
CI			PRODUCI	I	TYPE OF	OLIANITUM	BHEL SPEC: REFERENCE	REV:		05	*		GENO		
SL NO	COMPONENTS	CHARACT	ERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	DOCUMENT	ACCEPTANCE NORMS	FORMAT RECOR		D	Р	W	V	REMARKS
1.0	RAW MATERIALS	S & BOUGHT	OUT ITEM	S											
2.0	INPROCESS INSI	PECTION													
2.0	INT ROOLOG ING.	LOTION													
	FINAL INCREATION	ON O TEOTIN	10												
3.0	FINAL INSPECTION	ON & TESTIN	NG												
4.0	PRESERVATION	& PACKING													
V	ENDOR TO NOTE:	: THIS FORM	MAT IS IN I	<b>MICROSO</b>	FT WORD.	HEADER & FO	OOTER SHALL E	BE AVAILABLE IN	I EACH PA	\GE	OF (	QP. (	QP S	HAL	L BE IN

VENDOR TO NOTE: THIS FORMAT IS IN MICROSOFT WORD. HEADER & FOOTER SHALL BE AVAILABLE IN EACH PAGE OF QP. QP SHALL BE IN LANDSCAPE & A4 SIZE ONLY. FONT SIZE SHALL BE MIN 10. VENDOR SHALL SIGN & STAMP IN EACH PAGE OF QP. LOI REF. & DATE ARE NOT ACCEPTABLE. P.O.NO. & DATE SHALL BE INDICATED. QP NO. SHOULD BE UNIQUE AND SHALL NOT REPEAT. ALL THE TESTS / CHECKS INDICATED IN THE BHEL SPEC. SHALL BE INDICATED IN THE QP.

LEGEND: P: PERFORM, W: WITNESS, V: VERIFICATION. INDICATE 1 FOR BHEL CQS	PREPARED BY	APPROVED BY	APPROVED BY
(OR BHEL NOMINATED INSPECTION AGENCY) & 2 FOR VENDOR/SUB VENDOR AS			
APPROPRIATE AGAINST EACH COMPONENT /CHARACTERISTIC UNDER P, W & V			
COLUMNS. * FOR ITEMS MARKED ✓ (TICK) IN COLUMN 'D', TEST CERTIFICATES			
SHALL BE SUBMITTED TO BHEL FOR RECORDS.	VENDOR'S SIGNATURE & STAMP	BHEL QA SIGNATURE & STAMP	CUSTOMER'S SIGNATURE & STAMP