

 BHOPAL	TECHNICAL PRE-QUALIFICATION REQUIREMENTS (T-PQR)	DOC. NO. : HGG-1824 DATE: 24/06/2019
	HYDRO GENERATOR ENGINEERING DIVISION	REV. - 01 PAGE 1 OF 1

Technical Pre-Qualification Requirements (T-PQR) for Equal Elbow, Straight Coupling, Equal Tees and ½" BSP Pet Cock for hydro-generators.

S. No.	Description of pre-qualification requirement	Vendor Response	
		Complied /Not complied	Supporting Documents required to accept compliance
1	Compliance to attached Drawings - Equal Elbow- Drg. No. 42991501003 Rev 00, Straight Coupling- Drg. No. 42991501001 Rev 00, Equal Tees Drg. No. 42991501004 Rev 00 and ½" BSP Pet Cock Drg No. 42998801013 Rev 01 and QA Plan QSP/HG/576 and QSP/HG/577.		Compliance statement to attached Drawings and QA Plan.
2	The company should have experience of supplying at least 1 supplies of Equal Elbow (steel), Straight Coupling (steel), Equal Tees (steel) and ½" BSP Pet Cock (brass) in last 7 years.		Copy of PO /completion certificate / invoice to be submitted
3	All correspondence and documents shall be in ENGLISH language. If any document provided by vendor is in any language other than English, it must be supported with its English translation.		Compliance
4	Vendors who finally qualified in technical PQR have to apply for registration in BHEL vendor directory. (if not registered, for OEM as well as Indian Partner). Directory details: PMD NO.: AEM03, MATERIAL CATEGORY: 754100, ITEM NO.: 57		

Note:

1. Compliance to above Pre-qualification requirements are mandatory. In absence of compliance of above requirements vendor PQ application is liable to be rejected.
2. BHEL has right to verify information/ confirmation furnished, by asking additional documents proofs etc.

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24/06/19
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 Sr. Engineer

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 AGM-HGE

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 A. Biswas
 AGM (HOD/HGE)



QGX-9

QUALITY ASSURANCE DEPARTMENT

PI No: _____

QA PLAN FOR: 1/2 inch BSP Brass Pet Cock

QA PLAN NO: QSP/HG/576

Date: 24/06/2019

Revision: 00

Sr. No.	Component/Assy. Operation	Characteristics	Class	Type of Check	Quantum of Check	Reference Documents	Record Format	Agency		Remarks
								S	B	
1	Raw Material	Chemical & Mechanical	Major	R	Five samples/Lot	As per BHEL drawing	TC	P	V	
2	Final Inspection									
2.1	Surface Check & Roughness	Visual	Minor	W	100%	Finish of Fittings are free from scale, pitmarks, ID & OD scores.	IR	P	V,W	100% TC verification, 5% Sample to be witnessed
2.2	Pressure Test	Leakage Test	Cri	W	100%	Pressure of 16 kg/cm ² for 30 mins.	IR	P	V,W	100% TC verification, 5% Sample to be witnessed
2.3	Dimensional Checks	Dimensions Checks	Major	W	100%	BHEL Drawing/ Vendor Approved Drawing	IR	P	V,W	100% TC verification, 5% Sample to be witnessed
3	Packing & Dispatch	Type of Packing	Major	Visual	100%	Suitable for long term storage with proper marking	IR	P	V	

LEGEND : P = PERFORM, V=VERIFY, W= WITNESS, TC= TEST CERTIFICATE, IR =INSPECTION REPORT, B=BHEL/BHEL NOMINATED TPIA/CUSTOMER , S=MANUFACTURER/SUB CONTRACTOR

Certification:

1. Supplier shall submit 3 copies of test certificates.
2. Raw material/functional test certificates of original manufacturer.
3. Guarantee certificate
4. Catalogue/Brochures for all boughtout items/auxillaries to be provided

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QUALITY ASSURANCE DEPARTMENT

PI No: _____

QA PLAN FOR: HIGH PRESSURE FITTINGS (EQUAL ELBOW, EQUAL TEES AND STRAIGHT COUPLING AND STUD COUPLING)

QA PLAN NO: QSP/HG/577

Date: 24/06/2019

Revision: 00

Sr. No.	Component/Assy. Operation	Characteristics	Class	Type of Check	Quantum of Check	Reference Documents	Record Format	Agency		Remarks
								S	B	
1	Raw Material	Chemical & Mechanical	Major	R	Five samples/Lot	As per BHEL drawing	TC	P	V	
2	Final Inspection									
2.1	Surface Check & Roughness	Visual	Minor	W	100%	Finish of Fittings are free from scale, pitmarks, ID & OD scores.	IR	P	V,W	100% TC verification, 5% Sample to be witnessed
2.2	Pressure Test	Leakage Test	Cri	W	100%	Pressure of 210 kg/cm2 for 30 mins.	IR	P	V,W	100% TC verification, 5% Sample to be witnessed
2.3	Dimensional Checks	Dimensions Checks	Major	W	100%	BHEL Drawing/ Vendor Approved Drawing	IR	P	V,W	100% TC verification, 5% Sample to be witnessed
3	Packing & Dispatch	Type of Packing	Major	Visual	100%	Suitable for long term storage with proper marking	IR	P	V	

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