

FRAMEWORK AGREEMENT FOR FGD FPS PROJECTS
Un-Priced Price Bid Format

R01 -30.10.2020

Item: QBD
PR No: 1900141130

SI No	PR No	Material Code	Material Description	UOM	PR Qty (No.s)	Technical Specification	Price Weightage Factor	Bidder Confirmation (Quoted)
1	1900141130	PY9751389011	QUARTZOID BULB DETECTOR (BRONZE)	EA	5,800	PY51389		
Total							0.00000	

NOTES:

- 1) Vendor to Quote Lumpsum Price for the Total Package.
- 2) Line Item Rates of the individual items shall be derived by multiplying the "Price Weightage Factor" with the Lumpsum Price quoted.
- 3) Unit Rates of the Individual items thus arrived, shall be binding on the bidder, for the total period of Framework Agreement.
- 4) Observations / Objections, if any, of the Bidder, to the "Price Weightage Factor" shall be brought to the notice of BHEL, during Pre-Bid Stage.
- 5) No Observations / Objections shall be entertained after the Techno-Commercial Bid is opened.
- 6) Bidder to indicate "Quoted" in the column "Bidder's Confirmation" as a confirmation of their bid to the respective item.
- 7) The Bid Evaluation is on Overall L1 Basis. Each and Every item of the Package shall be quoted by the bidder.
- 8) Partial offers will not be considered for evaluation and the same are liable for rejection.
- 9) The details of the Projects for which Framework Agreement is proposed are given elsewhere in the NIT. The distribution of the line items across the projects is attached as **Annexure-A**.
- 10) The permissible ordering limits specified in NIT are strictly applicable on the Total Framework Value. The same are not applicable at the Individual Project level.
- 11) The Total Lump price quoted shall be **INCLUSIVE** of Freight, Packing & Forwarding and Testing Charges.
- 12) The Total Lump price quoted shall be **EXCLUSIVE** of GST, Third party inspection (TPI) & Insurance Charges.

DISTRIBUTION OF FRAMEWORK ITEMS ACROSS PROJECTS

Annexure-A to Price Bid Format

ITEM: QBD

PR NO 1900141130

SL NO	ITEM	Material No	Material Desc	UOM	PMD No	UWT	KOTHAGUDEM	BHADRADRI	NORTH KARANPURA	BARH-1	BARH-2	MAUDA	BRBCL NABINAGAR	NPGCL NABINAGAR	RAMAGUNDAM	KORBA	NSPCL BILLAI	TUTICORIN	UDANGUDI	SAGARDIGHI	ENNORE	BHUSAWAL	YADADRI	PATRATU	PANKI	CONTINGENCY
1.00	QBD	PY9751389011	QUARTZOID BULB DETECTOR (BRONZE)	EA	PE.MP.563		240	160	132	240	160	240	132	132	132	132	240	240	2047	3596				454		

NOTES:

1. The quantities indicated are total quantity with additional 50 % qty variation considered
2. The above list of Quantity , project/customer is tentative only. Final details of quantity, Project/ Customer shall be informed at the time of PO

Bulk Procurement of QBD

Price Variation Formula

PVC-QBD

$$PO = PA \times \left(\left[0.60 \times \frac{MO}{MA} \right] + \left[0.15 \times \frac{FO}{FA} \right] + \left[0.10 \times \frac{LO}{LA} \right] + 0.15 \right)$$

PO	Purchase Order Value, adjusted in accordance with above Price Variation Formula
PA	Purchase Order Value, as per Original Framework Agreement Price

Escalation for Raw Material:

MO	Closing Price of MCX India "Copper" near Futures Contract, as on the previous day of respective Project PO Placement
MA	Closing Price of MCX India "Copper" near Futures Contract, as on the previous day of Part-1 bid opening of Framework Agreement Tender
As per the near Futures Contract Price of " Copper ", traded on the commodity exchange MCX India, as per the data available on their website www.mcxindia.com	

Escalation for Fuel & Power:

FO	Wholesale Price Index for "Fuel & Power", as on the date of respective Project PO Placement
FA	Wholesale Price Index for "Fuel & Power", as on the date of Part-1 bid opening of Framework Agreement Tender
As published under the Index " II Fuel & Power " by Office of the Economic Adviser, Ministry of Commerce and Industry, Govt of India, on their website www.eaindustry.nic.in	

Escalation for Labour:

LO	All-India Average Consumer Price Index Number for Industrial Workers (Base_2016=100), as on date of respective Project PO Placement
LA	All-India Average Consumer Price Index Number for Industrial Workers (Base_2016=100), as on the date of Part-1 bid opening of Framework Agreement Tender
As published by Labour Bureau, Ministry of Labour and Employment, Govt of India, on their website www.labourbureaunew.gov.in	

Overheads and Margin:

0.15	Constant for Overheads and Margin
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NOTE: Latest Index Values, as published by respective agencies, **Available as on the date** of Part-1 bid opening of FA Tender / date of PO, shall be considered, for all the factors.

BULK PROCUREMENT OF GENERIC PIPING ITEMS Pre-Qualification Criteria (Technical)

Package Name : QBD
PR No : 1900141130

Manufacturers of **QUARTZOID BULB DETECTOR (QBD)** qualified as per the Pre-qualification criteria laid down below, are allowed to bid. Documentary evidence shall be provided by such bidders to establish their claim. **However, offer consideration is subjected to approval from end Customer.**

The bid evaluation shall be on Overall L1 basis. The Bidder shall meet the Pre-Qualification Criteria (listed below.

Non-compliance to any of the criteria listed below will lead to disqualification of bidder for the subject item of the tender.

Qualification Criteria of the Bidder:

- 1.** The bidder should be an established manufacturer of **QBD** and should have successfully completed Manufacture, Supply of QBD earlier.
- 2.** The Bidder should have successfully completed supply of QBD of total minimum quantity of **4055 No.s** through a single Purchase Order or multiple Purchase Orders in the last 5 years ending on original due date of this tender, with at least one order executed after 01.01.2019.
- 3.** Detailed BOQ of items supplied, satisfying the criteria laid down above, shall be provided in the format enclosed as Annexure-1, with details like Project & Customer, Description & Quantity of Items supplied, PO details etc. as a minimum for assessing pre-qualification. **PO Copies, Inspection Reports and Dispatch documents shall be enclosed for the references provided.**
- 4.** The bidder should not have been under suspension for business or blacklisted by any of the BHEL units.



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**TECHNICAL SPECIFICATION
FOR QUARTZOID BULB DETECTOR**

Revisions :

Prepared by:

Checked by:

Approved By:

Date

-SD-

-SD-

-SD-

00

Sumant

Amit/PCS

MNSR

26.07.18



PROJECT ENGINEERING & SYSTEM DIVISION
BHEL, HYDERABAD –32.

PY51389

Rev No. 01

Page 2 of 5

1. SCOPE/INTENT:

- 1.1. This specification covers the technical requirements of constructional features, accessories, inspection, tests, test certificates, documentation, preservation, packing and forwarding of Quartzoid Bulb Detector.
- 1.2. Scope of supply shall include design, manufacture, inspection, shop testing, shop painting, packing and delivery.
- 1.3. The supplier shall strictly comply with this standard in all respects. No deviation shall be allowed. However, bidder can raise technical queries on the specification during pre-bid stage and clarifications may be sought from BHEL before the bid submission.

APPLICATION:

These items suitable for fire protection systems (Water based protection system).

2. VARIANT TABLE:

Var. No.	Description	Material Code
01	Quartzoid bulb detector (Bronze)	PY9751389011

Note: Bidder to quote as per Material Code as mentioned in the Enquiry

3. TECHNICAL REQUIREMENTS:

Sl. No.	Requirements	Compliance
2.1	Type	Frangible bulb type
2.2	Operating temperature *	79° / 93°
2.3	Material of Construction	
2.3.1	Frame	Bronze (ASTM B 145) Class-5A Leaded gun metal, Chrome plated
2.3.2	Bulb	Glass filled with heat sensitivity liquid (colored)
2.3.3	Deflector	Brass
2.3.4	Cap	Copper
2.4	Working pressure	3.5 Kg/cm ² (g) minimum
2.5	Detector approved	UL listed
2.6	End Connection	1/2" NPT
2.7	Max. Working Pressure	12 kg/cm ² (g)
2.8	Hydro Test Pressure	30 kg/cm ² (g)
2.9	Finish	Chrome Plated
2.10	Marking on Equipment	Mfg. Trade Name, Operating Temp,

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BHEL, HYDERABAD –32.

PY51389

Rev No. 01

Page 3 of 5

		Model, 'UL' Listed Mark
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***Quantity of 79 Deg C and 93 Deg C QBD shall be decided after post order.**

4. PAINTING

Finish shall be Chrome plated.

5. INSPECTION AND TESTING

As per BHEL QAP (Refer attached Annexure)

6. DOCUMENTATION:

6.1. Along with the offer:

Signed and stamped copy of this specification as token of acceptance of the specification for execution in the event of Order.

6.2. After PO Placement:

Two copies each of the following documents shall be submitted for approval.

- G.A. Drawings with weights and dimensions
- Technical Data sheets, Catalogue
- Material specification details
- Tests to be conducted
- O&M manuals
- Storage/Preservation instructions for at least three years.

Final documentation consisting of above documents shall be submitted in requisite sets (to be decided post order) of hard and soft copies.

Schedule for document submissions:

S.no	Description	Schedule
1	Submission of GA drawing & Technical Datasheet by vendor	7 days from the date of P.O.
2	Approval GA drawing & Technical Datasheet by BHEL	14 days from receipt of the document*

* The GA drawing & Technical Datasheet submitted by vendor shall be strictly in compliance to all applicable standards and specification.

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PROJECT ENGINEERING & SYSTEM DIVISION
BHEL, HYDERABAD –32.

PY51389

Rev No. 01

Page 4 of 5

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7. PRESERVATION, PACKING & MARKING OR PACKING CASE:

- 7.1. A suitable temporary rust preventive with minimum life of two years shall be applied inside the item/equipment body in order to prevent corrosion.
- 7.2. All the item / equipment shall be packed suitably in closed wooden cases in order to avoid damage during transit and storage at BHEL. Suitable supports shall be provided inside the cases in order to avoid internal movement. In case of exported consignments, the packing shall be seaworthy (Refer enclosed Annexure for Export Packing guidelines, AA 0490009, Rev-01).

Each item / equipment after end protection should be wrapped in polythene sheet before packing in the cases.

Each packing case must contain two copies of the shipping list giving details of all the contents of the case.

- 7.3. The following marking shall be done on each packing case minimum on two sides and at the top.
- Complete address of the consignee and destination as per BHEL Purchase Order.
 - BHEL Purchase order Number
 - BHEL item Material Code
 - Number of pieces in each packing case
 - Net Weight
 - Gross Weight
 - Packing case number and total number of packing
 - Arrow indicating top of the packing case.



MANUFACTURING QUALITY PLAN

MQP. NO.: SMQP/FPS/21/092013

PROJECT ENGINEERING & SYSTEMS
DIVISION BHEL,
RC PURAM, HYD-502032

PRODUCT: QB DETECTOR

REV NO: 00 DATE: 01/09/2013

PAGE 1 OF 3

SL NO	COMPONENTS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	* D	AGENCY			REMARKS
										P	W	V	
1.0	RAW MATERIALS & BOUGHT OUT ITEMS												
1.1	BODY (BRASS)	Chemical	Major	Chem. Analysis	One (1) Per heat or Batch	App. TDS/Drg./ Spec.	App. TDS/Drg./ Spec.	Lab./Mfg. TC	√	2	-	1	
		Dimn. Check	Major	Measurements	2 Nos./ Heat or Batch	App. TDS/Drg./ Spec.	App. TDS/Drg./ Spec.	IR	-	2	2	1	
		Surface Defects	Major	Visual	100%	Surface free from harmful defects	Surface free from harmful defects	IR	-	2	2	1	
1.2	CAP & DEFLECTOR	Chemical	Major	Chem. Analysis	One (1) Per heat or Batch	App. TDS/Drg./ Spec.	App. TDS/Drg./ Spec.	Lab./Mfg. TC	√	2	-	1	
		Dimn. Check	Major	Measurements	2 Nos./ Heat or Batch	App. TDS/Drg./ Spec.	App. TDS/Drg./ Spec.	IR	-	2	2	1	
1.3	LIQUID FILLED BULB	Physical observation	Major	Visual	100%	App. TDS/Drg./ Spec.	App. TDS/Drg./ Spec.	IR	-	2	2	1	
2.0	INPROCESS INSPECTION												
2.1	BODY	Machining & dimn. Check	Major	Measurement & gauge check	100%	App. TDS/Drg./ Spec.	App. TDS/Drg./ Spec.	IR	-	2	2	1	
2.2	CAP + DEFLECTOR	Machining & dimn. Check	Major	Measurement & gauge check	100%	App. TDS/Drg./ Spec.	App. TDS/Drg./ Spec.	IR	-	2	2	1	
2.3	ASSY.	Fitment & assembly check	Major	Visual	100%	App. TDS/Drg./ Spec.	App. TDS/Drg./ Spec.	IR	-	2	2	1	
2.4		Hydro test (30 kg/cm ²)	Critical	Leak proof test (pressure test)	100%	App. TDS/Drg./ Spec.	App. TDS/Drg./ Spec.	IR	-	2	2	1	
		& Burst test	Critical	B. P. test	1/Lot	App. TDS/Drg./ Spec.	App. TDS/Drg./ Spec.	IR	-	2	2	1	

LEGEND: P: PERFORM, W: WITNESS, V: VERIFICATION. INDICATE 1 FOR BHEL / BHEL NOMINATED INSPECTION AGENCY/END USER/END USER'S REPRESENTATIVE & 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.

PREPARED BY


BHEL QA SIGNATURE & STAMP

APPROVED BY


BHEL QA SIGNATURE & STAMP

APPROVED BY

CUSTOMER'S SIGNATURE & STAMP
(IF APPLICABLE)

		MANUFACTURING QUALITY PLAN							MQP. NO.: SMQP/FPS/21/092013				
PROJECT ENGINEERING & SYSTEMS DIVISION BHEL, RC PURAM, HYD-502032							PRODUCT: QB DETECTOR			REV NO: 00		DATE: 01/09/2013	
PAGE 2 OF 3													
SL NO	COMPONENTS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	* D	AGENCY			REMARKS
										P	W	V	
2.5	QBD. BULB (WITH LIQUID)	Leak Test	Critical	Leakage test	100%	App. TDS/Drg./Spec.	App. TDS/Drg./Spec.	IR	-	2	2	1	
3.0	FINAL INSPECTION & TESTING												
3.1	Q.B.D (Complete Assembly)	Physical observation & dimn. Check	Major	Visual check surface, make, logo Model, UL mark & Measurement	20% at random	App. TDS/Drg./Spec.	App. TDS/Drg./Spec.	IR, Dimn. Check	√	2	1	-	
		Hydro Test	Major	Pressure Test (Leak Proof Test) 30 kg/cm2.	10% at random	App. TDS/Drg./Spec.	App. TDS/Drg./Spec.	IR /TC	√	2	1	-	
4.0	PRESERVATION & PACKING												
4.1	Q. B. D. Assy	Properly packing with necessary marking	Major	Visual	100%	App. TDS/Drg./Spec.	App. TDS/Drg./Spec.	Packing report	√	2	1	-	
		Preservation must be maintained at proper place	Major	Visual	100%	App. TDS/Drg./Spec.	App. TDS/Drg./Spec.	Packing report	-	2	2	-	

LEGEND: P: PERFORM, W: WITNESS, V: VERIFICATION. INDICATE 1 FOR BHEL / BHEL NOMINATED INSPECTION AGENCY/END USER/END USER'S REPRESENTATIVE & 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.	PREPARED BY	APPROVED BY	APPROVED BY
	BHEL QA SIGNATURE & STAMP	BHEL QA SIGNATURE & STAMP	CUSTOMER'S SIGNATURE & STAMP (IF APPLICABLE)

		MANUFACTURING QUALITY PLAN						MQP. NO.: SMQP/FPS/21/092013					
		PROJECT ENGINEERING & SYSTEMS DIVISION BHEL, RC PURAM, HYD-502032				PRODUCT: QB DETECTOR		REV NO: 00		DATE: 01/09/2013			
		PAGE 3 OF 3											
SL NO	COMPONENTS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	*	AGENCY			REMARKS
										D	P	W	

NOTE:-

1. This standard MQP should be read along with specification (latest revision), approved drawings & approved data sheet.
2. 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. All type test reports submitted shall not be older than 5 yrs from the date of purchase order.
5. Any project/customer specific requirements which shall be notified have to be fulfilled by the vendor at the time of execution of order.

LEGEND: P: PERFORM, W: WITNESS, V: VERIFICATION. INDICATE 1 FOR BHEL / BHEL NOMINATED INSPECTION AGENCY/END USER/END USER'S REPRESENTATIVE & 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.	PREPARED BY	APPROVED BY	APPROVED BY
	BHEL QA SIGNATURE & STAMP	BHEL QA SIGNATURE & STAMP	CUSTOMER'S SIGNATURE & STAMP (IF APPLICABLE)

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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 QAP for BHEL /CUSTOMER approval.
2. No deviation to reference document is acceptable.

Form No.	 HYDERABAD	PRODUCT STANDARD PROJECT ENGINEERING & SYSTEMS DIVISION HYDERABAD	ANNEXURE Page 2 of 3
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.	<u>PREPARATION OF QUALITY ASSURANCE PLAN</u>		
	Ref. Doc	<ol style="list-style-type: none"> 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. <ol style="list-style-type: none"> 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. <ol style="list-style-type: none"> 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 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, 	

Form No.	 HYDERABAD	PRODUCT STANDARD PROJECT ENGINEERING & SYSTEMS DIVISION HYDERABAD	ANNEXURE Page 3 of 3
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.	<p>under Witness (W) column use 1. Under 'Verify' column, use code 1.</p> <p>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.</p> <p>13. Vendor's signature & stamp should be available on each page of QAP.</p> <p>14. Vendor should read the BHEL Product Standard thoroughly and QAP should be made only inline and relevant to the Specification & Approved Drawings.</p> <p>15. The following operations/characteristics/check points may be included (AS APPROPRIATE)</p> <ol style="list-style-type: none"> 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. l) Witness of functional checks, which may include mechanical run & electrical run, H.V.test, IR measurement, Electrical and Mechanical tests etc. m) PQR, 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) Packing and Preservation. <p>16. QAP Format enclosed.</p> <p>17. Typical Manufacturing QAP is attached.</p>		
Ref. Doc			



**PROJECT ENGINEERING & SYSTEMS DIVISION
RC PURAM, HYDERABAD.
QUALITY & BUSINESS EXCELLENCE**

INSPECTION / TC REVIEW FORMAT

1	Vendor's Name:		5	Applicable BHEL Spec No:	
2	Project:		6	Approved Drawing No:	
3	PO No:		7	Approved Data Sheet No:	
4	Item Description:		8	Approved QAP No:	

OFFER LIST

S.No	BBU/ PO Sr. No.	Item Description	Total Qty as per PO/BBU	Qty. already accepted	Qty offered for TC review	Cumulative Qty	Balance Qty
A							
B							
C							
D							

TC REVIEW REQUISITION

BBU / PO Sr. No.	QAP Clause No.	Format of Record	Certificate No. & Date	Page No.	REMARKS
A. Item Description:					
B. Item Description:					
C. Item Description:					
D. Item Description:					
E. Item Description:					

SUPPLIER / VENDOR SIGNATURE WITH SEAL

BHEL/ BHEL's TPIA SIGNATURE WITH SEAL

Dt:

Dt: