

Transmission Prequalification Questionnaires Technical Qualification Department (TQD) Saudi Electricity Company (SEC)

Instructions



- The purpose of this questionnaire is to evaluate your capability to supply products that consistently meet National Grid SA requirements.
- The questions contained in this questionnaire are of a technical nature. This form is to be completed by technically qualified personnel.
- National Grid SA reserves the right to request for repetition of complete or partial Type Tests. Cost of type test and associated travel cost of National Grid SA representatives & Third Party Independent Inspectors payments shall be borne by the manufacturer.
- National Grid SA reserves the right to request for a plant visit. Cost of travel cost of National Grid SA representatives shall be borne by the manufacturer.
- All information provided by manufacturer is accurate and authentic.
- Confidentiality: All information submitted for prequalification evaluation will be considered official information acquired in confidence, and the National Grid will
 maintain its confidentiality to the extent permitted by law.
- Manufacturer should agree to provide SEC/National Grid SA a Guarantee/ Warranty for the proposed material/equipment in respect of the defects due to design, manufacturing, installation and workmanship for a period of ten (10) years from the date of the Provisional Acceptance Certificate (PAC) of the project (in case of contract award) and from the date of delivery for the direct material supply order. The Guarantee/Warranty shall be applicable from first purchase order/ project and shall cover all cost of equipment/materials and labor as per guarantee/warranty of equipment/materials and workmanship and subsequently be reduced yearly in case of future project award. Guarantee/ Warranty certificate format must be same as SEC/National Grid SA format.
- NG has the right to close the PQ file if the manufacturer fails to respond after due date during PQ process.

Type Of Requests (PQ Classes)



Class	Definition (1997)
Class I	New Product (Newly introduced to the Company)
BCaran.	(a) A new product from already pre-qualified plant (b) A new product from plant which is not pre-qualified
Class II	New Licensed Product (A previously pre-qualified product from the original factory and to be manufactured under license in a different factory/location)
Class III	Improved Product (A pre-qualified product that has been improved by the manufacturer)
Class IV	Product already in use
	 (a) A product has major technical faults and/or design changes that need requalification (b) A product already used in the network but its prequalification is not documented

Class Wise Questionnaires Availability



Table 1 Mapping of Questionnaire with Product Class Type

			Produc	t Class		
Question No	Clas	ss I	Class II	Class III	Clas	ss IV
NO	а	b			а	b
		Pr	e-requisites			
1	Yes	Yes	Yes	Yes	Yes	No
2	Yes	Yes	Yes	Yes	Yes	No
3	Yes	Yes	Yes	Yes	Yes	No
4	Yes	Yes	Yes	Yes	Yes	No
5	Yes	Yes	Yes	Yes	Yes	No
6	Yes	Yes	Yes	Yes	Yes	No
7	Yes	Yes	Yes	Yes	Yes	No
8	Yes	Yes	Yes	Yes	Yes	No
		Gene	ral Informat	ion		
1	No	Yes	Yes	No	No	Yes
2	No. Sal	Yes	Yes	No	No	No
3	No	Yes	Yes	No	No	Yes
4 5	No	Yes	Yes	No	No	Yes
. 5	No	Yes	Yes	No	No	No
6	No	Yes	Yes	No	No	No
7	No	Yes	Yes	No	No	No
8	No	Yes	Yes	No	No	No
9	No	Yes	Yes	No	No	No
10	No	Yes	Yes	No	No	No
11	No	Yes	Yes	No	No _	No
12	No	Yes	Yes	No	No	Yes
13	No	Yes	Yes	No	No	Yes
	M	anufacturi	ing Plant Inf	ormation		
1	No	Yes	Yes	No	No	Yes
2	No	Yes	Yes	No	No	No
3	No	Yes	Yes	No	No	No
4	No	Yes	Yes	No	No	No
5	No 🔥	Yes	Yes	No	No	No
6	No	Yes	Yes	No	No	No
7	No	Yes	Yes	No	No	No

Class Wise Questionnaires Availability



	NI-	V	V	NI-	NI-	M-Sale
8	No	Yes	Yes	No	No	No
9 10	No No	Yes	Yes	No No	No No	No No
11		Yes	Yes	I .	- 57 / 12 -	
	No	Yes	Yes	No Ca	No	No
12	No	Yes	Yes	No	No	No
13	No	Yes	Yes	No	No	No
14	No	Yes	Yes	No	No	No
15	No	Yes	Yes	No	No	No
16	No	Yes	Yes	No	No	No
17	No	Yes	Yes	No	No	No
18	No	Yes	Yes	No	No	No
19	No	Yes	Yes	No	No	No
20	No	Yes	Yes	No	No	No
5 21	No	Yes	Yes	No	No	No
22	No	Yes	Yes	No	No	No
23	No	Yes	Yes	No	No	No
24	No	Yes	Yes	No	No	No
25	No	Yes	Yes	No	No	No
26	No	Yes	Yes	No	No	No
27	No	Yes	Yes	No	No	No
28	No	Yes	Yes	No	No	No
29	No	Yes	Yes	No	No	No
30	No	Yes	Yes	No	No	No
31	No	Yes	Yes	No	No	No
32	No	Yes	Yes	No	No	No
33	No	Yes	Yes	No	No	No
34	No	Yes	Yes	No	No	No
35	No	Yes	Yes	No	No	No
36	No	Yes	Yes	No	No	No
37	No	Yes	Yes	No	No	No
2024		Produ	ct Informat	ion		
S 1	Yes	Yes	Yes	Yes	Yes	Yes
2	Yes	Yes	Yes	Yes	Yes	No
3	Yes	Yes	Yes	Yes	Yes	No
4	No	No	No	Yes	Yes	No oN
5	Yes	Yes	Yes	Yes	Yes	No
6	Yes	Yes	Yes	Yes	Yes	No
7	Yes	Yes	Yes	Yes	Yes	No
8	Yes	Yes	Yes	Yes	Yes	No
9	Yes	Yes	Yes	Yes	Yes	No
10	Yes	Yes	Yes	Yes	Yes	No
					0.07	





- 1. Provide a clause-by-clause compliance statement for latest revision of General Requirements (01-TMSS-01) and other applicable TMSS or TES (if applicable). List any deviations, to the applicable specifications along with technical justification. Please download the latest version of specifications from here.
 - i. Duly stamped on each page and signed by the authorized representative of the company

ii Provide filled up data schedules given at the end of the above specifications

II. I Tovide Illied up data scriedale	3 giveri at the ena (of the above specifications
	Browse	(Attach 01-TMSS-01 latest specification)
	Browso	(Attach other applicable latest specification(s))

2. Provide manufacturing experience and commencing date of manufacturing of subject product/equipment.



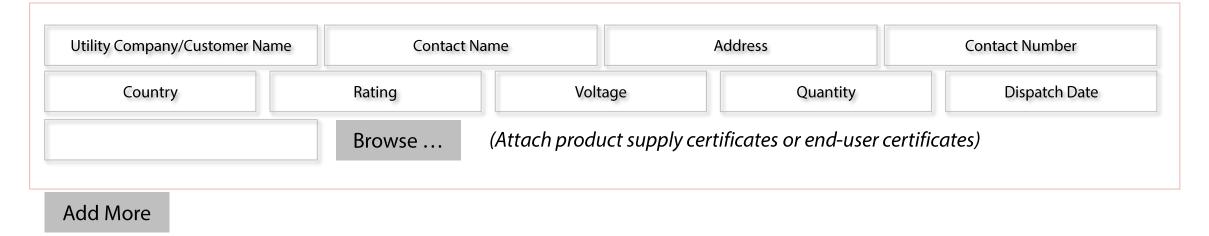
3. List of past supplied reference list of subject product(s)/equipment(s).





4. Provide a list of 3 utility companies and other major customers with contact name, address and telephone numbers, to whom you supplied the product locally and outside of your country (preferably in the Gulf region where the climatic conditions are identical to that of Saudi Arabia)

Indicate the rating, voltage, quantities and date supplied.



5. Do you agree to provide extended warranty of 10 years to National Grid SA for the offered equipment, in respect of defects due to design, manufacturing, installation and workmanship from the date of Provisional Acceptance Certificate (PAC) of the project? Please refer below for complete guarantee/warranty statement sample.





Warranty Statement Sample

Extended Warranty / Guarantee: Ten (10) years Extended Warranty confirmation exactly per the statement given below in the letter head of the Manufacturer duly stamped and signed by the authorized representative of the manufacturer shall be submitted.

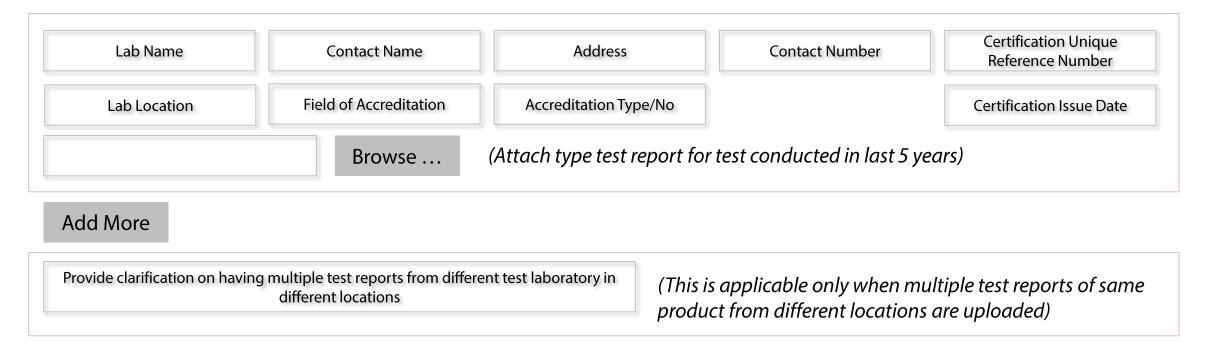
"(Manufacturer Name) has agreed to give extended warranty/guarantee to SEC/National Grid SA for (name of the equipment with rating shall be indicated here) in respect of the defects due to design, manufacturing, installation and workmanship for a period of ten (10) years from the date of the Provisional Acceptance Certificate (PAC) of the project (in case of contract award) and from the date of delivery for the direct material supply order. The Guarantee/Warranty shall be applicable from first project/purchase order and shall cover all cost of equipment/materials and labor as per guarantee/warranty of equipment/materials and workmanship and subsequently be reduced yearly in case of future project award"

6. Provide Plant Survey confirmation as per standard format.

Plant Survey Confirmation Letter No.		Letter Date
	Browse	



7 (a). Please upload the type test reports/certificates from national/international accredited test laboratory conducted in last 5 years.



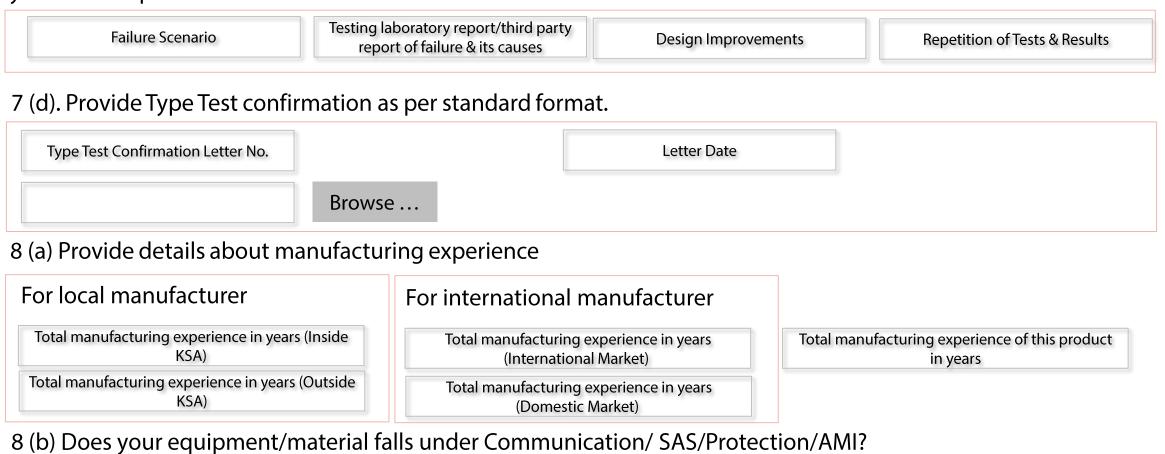
7 (b). When these type tests were done? During design stage or on finished product before commercial launch?

Ouring Design Stage

On Finished Product after commercial launch



7 (c). Was there any instance where type test failed? If Yes then provide the failure condition and type of improvement you made in product.



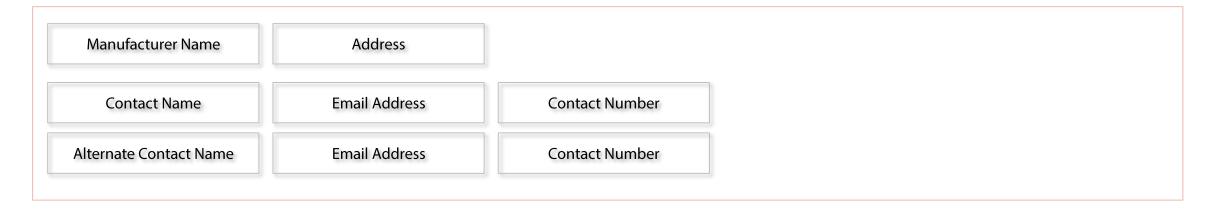
(a) 2 ccs year equipment, material rails arrate communic





Company Information

1. Please provide Manufacturer's Name, Office Address and Contact details



2. Provide website address of your company (if available)

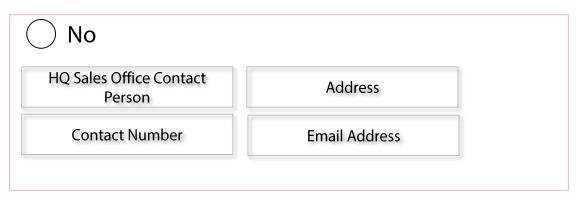
Company Website

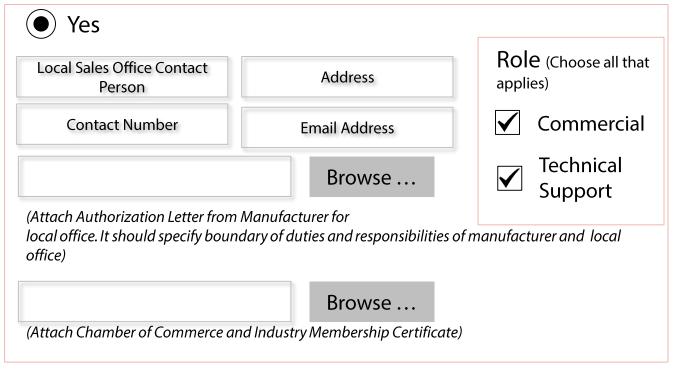


3. What is the nature of ownership of your Company? Choose from drop down list.



4. Do you have a local representative/vendor in Saudi Arabia?







5. Does your Company have trade union affiliations?	
○ No	(Yes

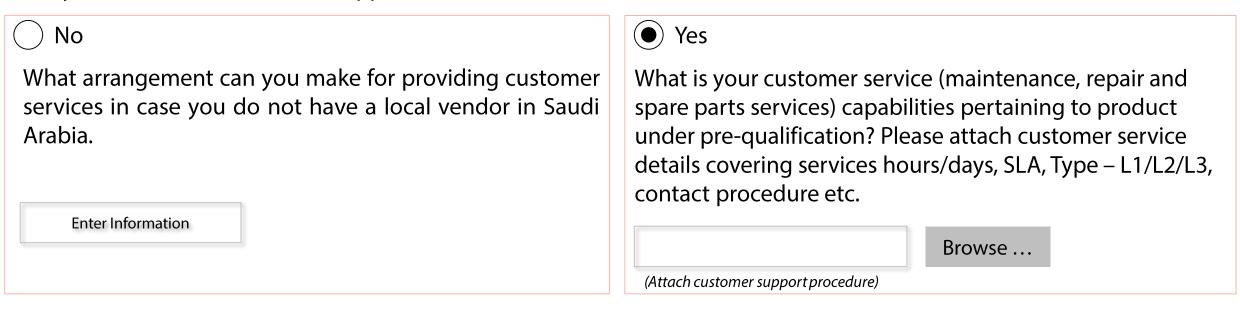


6. Please describe any mergers and acquisitions activity in your company has in the past, including relevant details.

Enter Information



7. Do you have customer service support center in Saudi Arabia?



8. What is the percentage allocation of R&D from the total annual budget?



9. Describe any current research activity and future research projects. List all original research papers published.





Your Involvement

Name

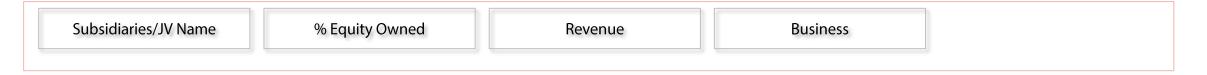
Research Activities

Financial Information

11. Please attach your last three years audited financial statements.



12. Details about Subsidiaries/Joint Ventures

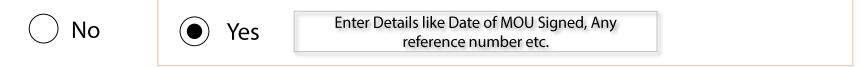


Add More



Existing Relationship

13. Do you have any prior co-operation with National Grid in terms of MOU, or other collaboration etc?



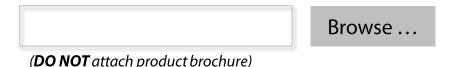




- 1. Provide a clause-by-clause compliance statement for latest revision of General Requirements (01-TMSS-01) and other applicable TMSS or TES (if applicable). List any deviations, to the applicable specifications along with technical justification. Please download the latest version of specifications from here.
 - i. Duly stamped on each page and signed by the authorized representative of the company

ii. Provide filled up data schedules	s given at the end	of the above specifications
	Browse	(Attach 01-TMSS-01 latest specification)
	Browse	(Attach other applicable latest specification(s))

2. Please attach **product manual** including details of available sizes, ratings, material, drawing etc. for the product/material/equipment that is intended to be pre-qualified.



3. What National/International Codes and Standard(s) does your product meet?

Provide the complete standard(s) name with comma(,) separator.



4. Furnish the product life data (i.e. the expected mean time-to-failure life test, field test, etc.)

Enter Information		Browse
	(Please attach data schedule)	

5. What are the differences between your previously pre-qualified product and the newly improved one? Please mention the design improvements made to the product in last three years.

(Applicable only for pre-qualification of an improved product)

Design Improvement	Benefits Achieved		Browse
		(Please internal test reports)	

6. (a) Please provide following details for last three years for product under intended for prequalification.

Total Plant Capacity	Total Units Produced for Product	Total Units Sold (Local)	Total Units Sold (International)	(Year 1 – Recent)
Total Plant Capacity	Total Units Produced for Product	Total Units Sold (Local)	Total Units Sold (International)	(Year 2)
Total Plant Capacity	Total Units Produced for Product	Total Units Sold (Local)	Total Units Sold (International)	(Year 3)

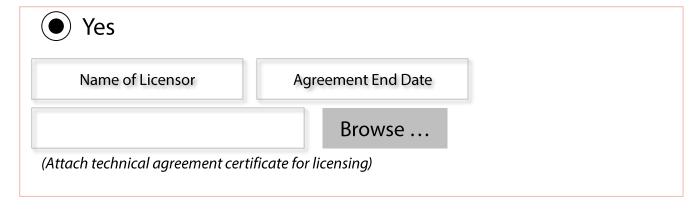


6. (b) What percentage of plant capacity is fully engaged at present?

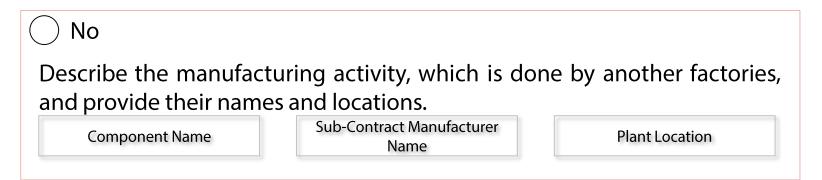
% of plant capacity engaged

7. Do you manufacture the product under license?



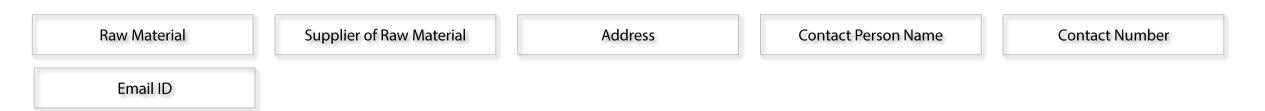


8(a). Do you manufacture the product completely in your factory?





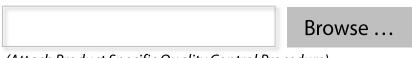
8(b). Provide technical information of the main raw material used in the product



9. Describe any technical development in your products (especially the product under consideration) and manufacturing process.

Enter Information

10. Attach the specific quality control plan for product to be pre-qualified



(Attach Product Specific Quality Control Procedure)





General Plant Information

1. Please provide Manufacturing Plant Name & Location, Tel. No., Fax No.

Please furnish the details of all Manufacturing plants available and specify the plant (only one) which you wish to prequalify.



Add More

2. List all the products manufactured in your factory. Specify the product(s) that you intend to be covered by this prequalification and attach their catalogues



Add More



3. Provide the organizational chart of your Company and indicate the number of employees in each functional group

nployees	Roles and Responsibilities
	Notes and nesponsibilities
nployees	Roles and Responsibilities
Ξn	Employees

(Attach Organization Chart)



4. Please provide details of key management personnel in your organization in below roles



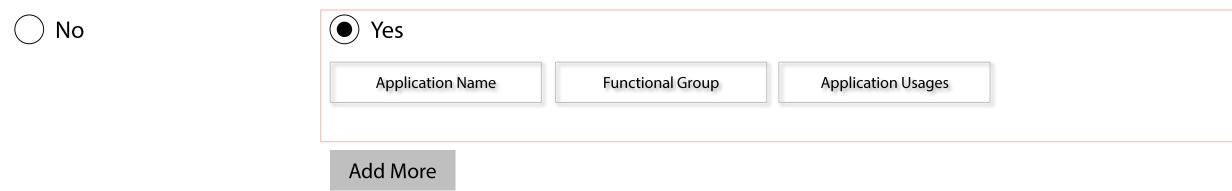
5. Attach a layout of your facilities showing the number of buildings and sizes (in square meters) of the storage area, production shops, engineering offices, testing laboratory, etc.).

	Browse
(Attach Plant Layout)	

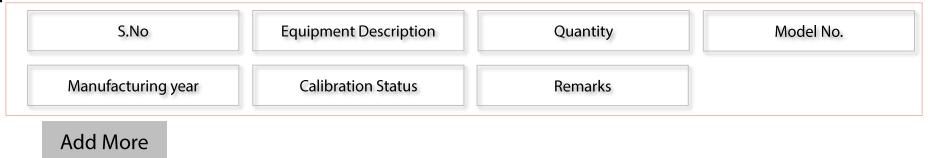


Manufacturing Capabilities

6. Do you utilize computer applications for design, manufacturing and other operations in the factory?



7. Attach a list of the major machines available in your factory indicating the type, function and number of years of operation

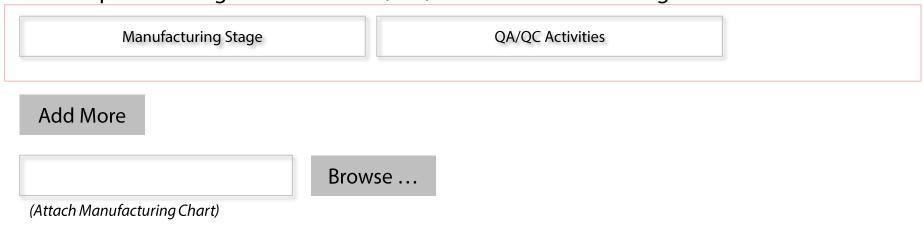


8. Describe briefly the maintenance procedure of these machines

Enter Information



9. Attach a flow chart showing the different manufacturing stages of the subject product from raw material stage to finished product stage and indicate QA/QC activities for each stage



10. Which of the following special process are performed during the manufacturing process? Identify the type and the standard/ procedure applied.

Welding, Surface Preparation, Painting, Galvanizing, Non-Destructive Testing (NDT), Others (Specify)

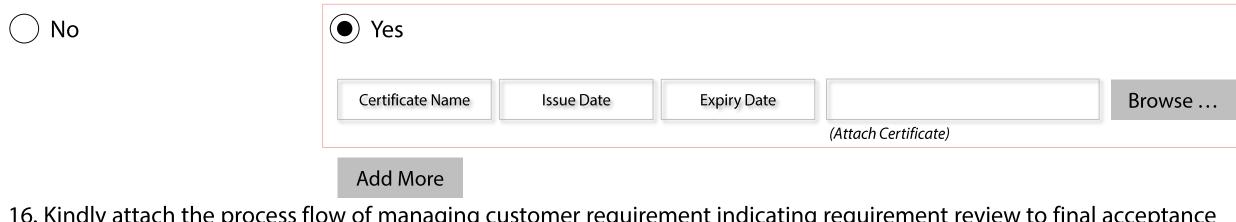




Quality Syst	tem		
11. Are the QA/QC per	rsonnel independent of o	ther activities such as design, production, etc.?	
○ No	Yes		
12. To whom do the fo	ollowing report: QA Manag	ger, QC Manager, Chief Inspector, Others QA/QC Staff (Specify)	
	Browse		
(Attach Reporting Chart)			
13. Do the Quality per	sonnel have the authority	y to stop production if quality requirements are not being met?	
○ No	Yes		
14. Do you have a doc	umented Quality System?	?	
○ No	Yes		
	Does the system inclu	de?	
	Quality Assurance Mai	nual No Yes	
	Quality Procedures	○ No ● Yes	Browse
	Work Instructions	No Yes (Attach Quality Manual)	



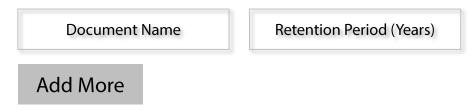
15. What National/International Quality Standards (i.e. ISO 9001 or equivalent) does your quality system meet? Please furnish the latest valid certificates.



16. Kindly attach the process flow of managing customer requirement indicating requirement review to final acceptance activities. Clearly mention the role of various departments involved in the process.



17. Please provide list of quality management records/documents that are controlled in your Company and the retention period?



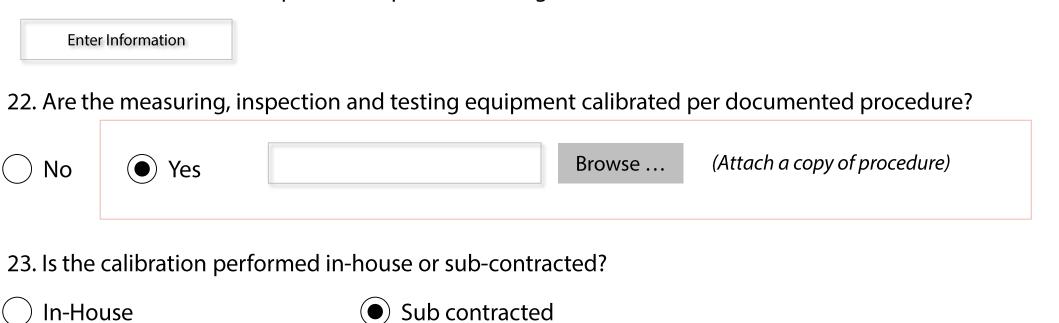
Enter Information



•	o suppliers and contracts (work orders) to sub-contractors include complete technical and fications, drawings, test certificates, instructions, etc.)?
○ No	Yes
18 b. What are your criteria in se	electing suppliers and sub-contractors? Attach a copy of your procedure.
Brows	e (Attach supplier/sub-contractor selection procedure)
18 c. Describe how your approv	ved sub-contractor / supplier list is developed / maintained / performance graded?
Enter Information	
19. Describe your procureme requirements. Attach a copy of	nt quality control activities to ensure that your ordered items conform to specified your procedure
Enter Information	Browse
(Attach P	rocurement Quality Control Procedure)
20. Describe your design contro	ol program



21. Describe methods of in-process inspection, testing and identification.

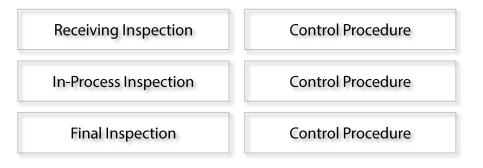


24. Can the product and its inspection status be identified and traced at any stage of the manufacturing process? Please explain or attach a copy of your procedure.





25. What controls are applied when a non-conforming item is found at



26. Describe methods for controlling, documenting, segregating, correcting and disposing of materials found to be non-conforming

Enter Information

- 27. Describe actions taken for:
- Preventing recurrence of non-conforming product(s).
- Eliminating potential causes of non-conforming product(s).
- Ensuring that corrective actions are implemented and are effective.
- Documenting necessary changes in procedures resulting from corrective action.

Enter Information



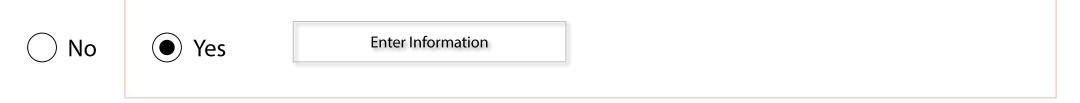
28. Describe methods and timetable of internal audits to verify compliance to, and determine the effectiveness of the quality system and its elements



29. Provide details as to the qualifications and training of personnel authorized to perform internal audits.



30. Is training given to your personnel per documented procedure?



31. What are the qualifications of your personnel who perform special tasks such as welding, NDT and internal quality audits?

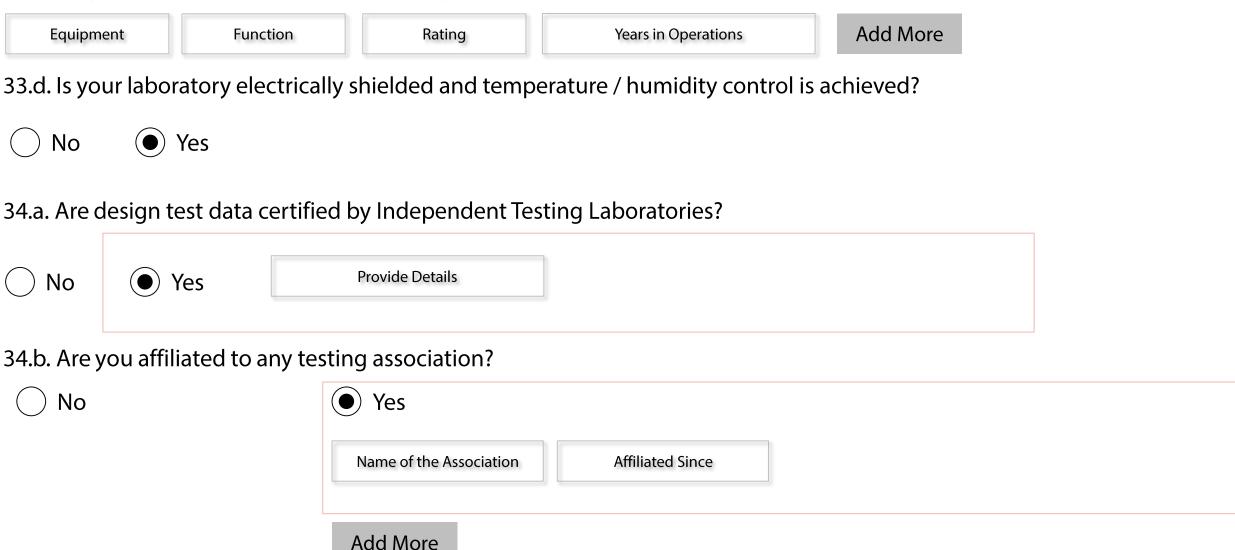




32. Do yoı	u apply any s	tatistical te	echnique to verify ac	ceptability of th	e process/product?	
○ No	Yes		Explain Briefly			
Tos	ting Capabil	litios				
163	ung Capabii	ities				
33.a. Is your testing laboratory certified to any standard or recognized by any government agency?						
No	Yes			Browse	(Attach certificate)	
33.b. List all the tests performed in your laboratory. Are these tests carried out per documented procedures?						ted procedures?
Гest Name		As Per Do	ocumented Procedu	ıre?		Add More
		O No	Yes			



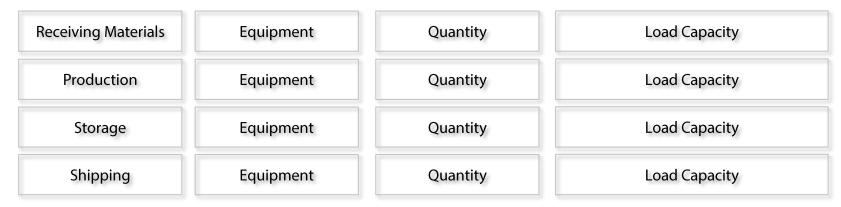
33.c. List your major inspection, testing, analyzing and calibration equipment





Material Handling, Storage and Shipping Capabilities

35. Provide a list of your material handling equipment, indicating the quantity and load capacity

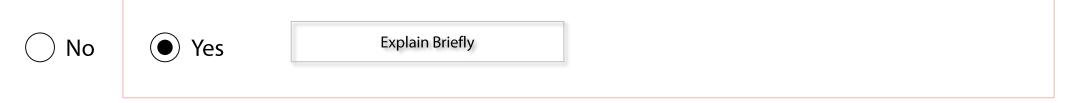


36. Do you have separate areas for,

Incoming Materials	O No	Yes
In-Process Materials	O No	Yes
Hold Materials	O No	Yes
Rejected Materials	O No	Yes
Finished Products	O No	Yes



37.a. Is there a periodic inventory of materials?



37.b. What are your shipping methods for the finished product



37.c. Detail your packing procedures to protect the product against damage and environmental effects which might be caused during shipment

Enter Information

37.d. Describe your procedure for storage of raw materials to prevent deterioration, especially those with specific shelf life.

