**RAWALPINDI INSTITUTE OF CARDIOLOGY**

**RAWAL ROAD, RAWALPINDI**

**051-9281111**



**PRE QUALIFICAITON-DOCUMENT FOR THE FIRMS DEALING IN**

**BIO MEDICAL EQUIPMETNS**

**(WHOLE BODY MULTI SLICE ULTRA-FAST CT SCANNER FOR ACUTE STROKE & VASCULAR INTERVENTIONS)**

**(F.Y 2021-22)**

**INVITATION FOR PRE QUALIFICATION OF FIRMS**

**REFERENCE NO: RIC/PO/3438/22, DATED: 14-01-2022**

1. Rawalpindi Institute of Cardiology, Rawalpindi invites sealed proposals for pre-qualification from local manufacturers/ sole agents/ sole agents of foreign manufacturers having established credentials in terms of Technical, Financial and Managerial capabilities for the purchase of following equipment during financial year 2021-22 from the head of A09404.

|  |  |
| --- | --- |
| **S. #** | **DETAIL** |
| **1** | **WHOLE BODY MULTI SLICE ULTRA-FAST CT SCANNER FOR ACUTE STROKE & VASCULAR INTERVENTIONS IN RAWALPINDI INSTITUTE OF CARDIOLOGY, RAWALPINDI** |

1. Interested eligible firms may get the pre-qualification document along with detailed specifications from the Purchase office of Rawalpindi Institute of Cardiology, Rawalpindi on submission of written application on letter head and a copy of CNIC along with payment of non-refundable fee of Rs.1,000/- (One thousand only). Pre-qualification Documents shall be issued upto **28-01-2022** on **02:00 pm**.

3. The pre-qualification documents can also be downloaded from the websites www.ppra.punjab.gov.pk

and[www.ric.gop.pk](http://www.ric.gop.pk)

4. Sealed proposals for pre-qualification are required to be brought in person by the authorized representative of the interested firms till **31-01-2022 at 11:00 am.** Positively in the Purchase cell of **Rawalpindi Institute of Cardiology, Rawalpindi**

5. The proposals shall clearly be marked with the equipment name to be applied for pre-qualification.

6. The proposal for pre-qualification received till the stipulated date & time shall be opened on the same

day at **11: 30 am** in the presence of authorized representative of the firms who choose to attend.

7. The firms are required to submit the company profile including Technical, Engineering, Managerial

Capabilities, after-sales services and Past experience/ Performance with their proposals as per requirement contained in the pre-qualification documents.

8. In case the date of opening or last date of sale is declared as a public holiday by the government or

Non-working day due to any reason, the next official working day shall be deemed to be the date of sale and submission and opening of tenders accordingly. The time and venue shall remain the same.

9. Pre-qualification shall be governed by the Punjab Procurement Rules 2014 (amended). Provisionof false, Fabricated or materially incorrect information; if found at any stage will lead to disqualification under PPRA Rule 2014 (amended)

**Executive Director**

**Rawalpindi Institute of Cardiology**

**Rawal Road, Rawalpindi**



IFB

IFP

ITA

JV

PDS

PQ PA

PQD

**Acronyms & Abbreviations**

Invitation for Bids

Invitation for Prequalification

Instructions to Applicants

Joint Venture

Prequalification Data Sheet

Prequalification

Procuring Agency

Prequalification Document

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**A. General**

**1. Scope of Application**

**2. Source of Funds**

**3. Fraud and**

**Corruption**

1.1

2.1

3.1

**Section I: Instructions to Applicants (ITA)**

In connection with the Invitation for Prequalification indicated in Section II, Prequalification Data Sheet (PDS), the Procuring Agency, as defined in the **PDS,** issues this Prequalification Document (PQD) to applicants interested in bidding for the supply of Bio-Medical Equipment.

Government of the Punjab

It is the Government of the Punjab's PPRA Rule 2014 (amended 2016) policy to require that bidders, suppliers and manufacturers and their agents observe the highest standard of ethics during the procurement and execution of such contracts.

(a) In pursuance of this policy, the following terms are defined:

(i) "Corrupt practice" is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value toinfluence improperly the actions of another party;

(b)

(ii) "Fraudulent practice" is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;

(c)

(iii) "Collusive practice" is an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party;

(d)

(iv) "Coercive practice" is impairing or harming, or threatening toimpair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;

(e)

( v ) "obstructive practice" is deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigationor from pursuing the investigation; or

(f)

(b) The Procuring Agency will reject a proposal for award if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for the contract in question;

(g)

(c) The Procuring Agency will sanction a firm or individual, including declaring ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it, at any time, determines that the firm has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for, or in

(d) Procuring Agency will have the right to require that a provision be included in bidding documents requiring bidders, suppliers and manufacturers and their agents to permit the Procuring Agency to inspect their accounts and records and other documents relating to the bid submission and contract performance and to have them audited

by auditors appointed by the Purchaser;

**4. Eligible Applicants**

4.1

4.2

An Applicant can be a private, or public entity, or any combination of

Public or private entities including Joint Venture (JV), consortium

With the formal intent, (substantiated with a letter of intent), to enter into an agreement or under an existing agreement

Firms of a country may be excluded from bidding if as a matter of law

or official regulation, the Government of Pakistan prohibits commercial relations with that country or for other reasons.

.

**5. Eligible Goods**

4.3

4.4

5.1

A firm declared disqualified / blacklisted by any of the private/public sector organization in Pakistan shall be ineligible to bid for a contract during the period of embargo.

Applicants and all parties constituting the Applicant shall not have a

Conflict of interest. Applicants shall be considered to have a conflict of interest, if they participated as a consultant in the preparation of the technical specifications of the goods that are the subject of this prequalification. Where a firm, or a firm from the same economic or financial group, in addition to consulting, also has the capability to manufacture or supply goods or to construct works, that firm, or a firm from the same economic or financial group, cannot normally be a supplier of goods or works, if it provided consulting services for the contract corresponding to this prequalification, unless it can be demonstrated that there is not a significant degree of common ownership, influence or control.

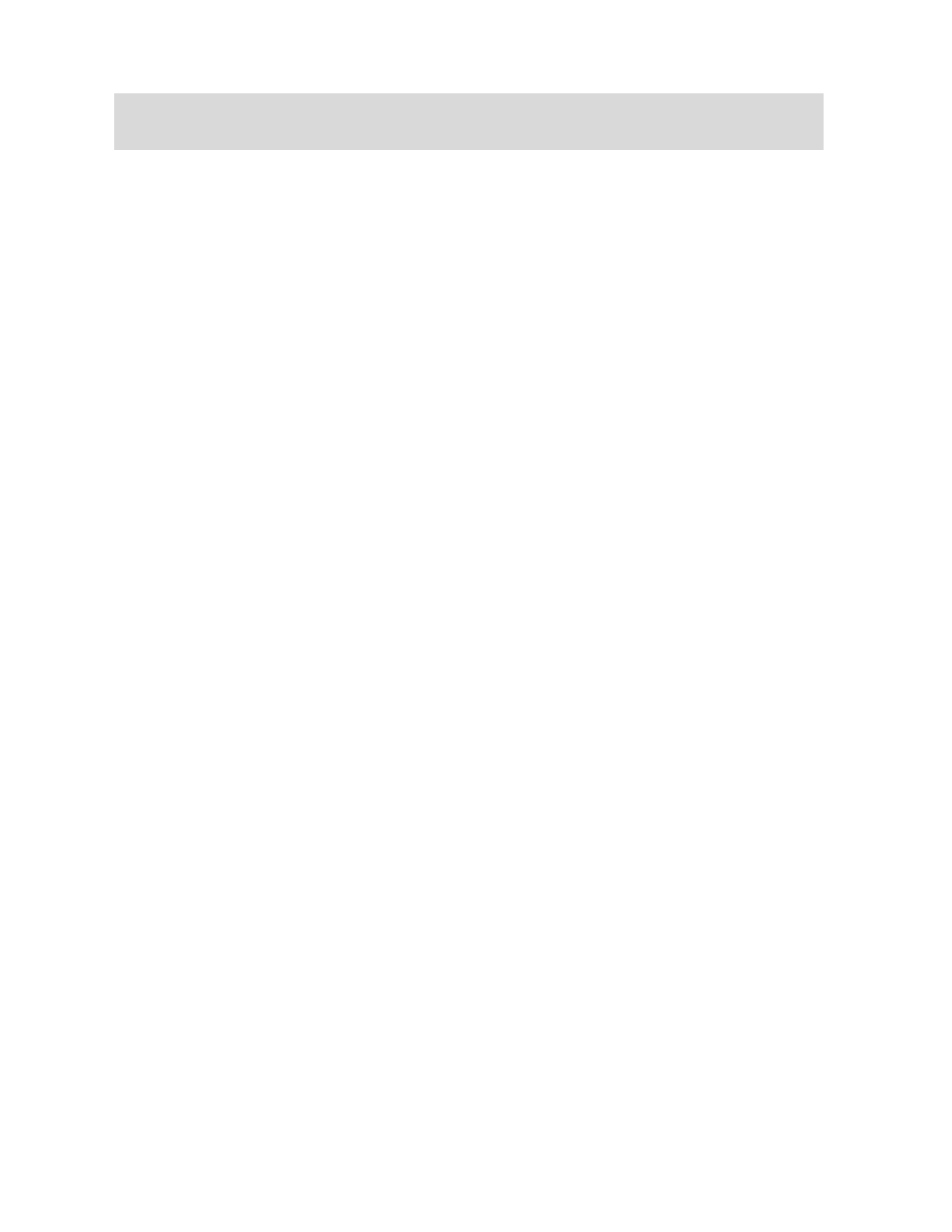
All goods to be supplied under the Contract to be financed by the

Government of Punjab shall have as their origin in any country not

restricted by the Government of Pakistan (Notified from time to time).

Further the company will give an undertaking that the goods are

freely available in the country of origin

**B. Contents of the Prequalification Document**

**6. Sections of**

**Prequalification**

**Document**

6.1

The document for the prequalification of Applicants (hereinafter **-**

"prequalification document") consists all the sections indicated below, and should be read in conjunction with any addendum if issued.

* Section I.
* Section II.
* Section III
* Section IV
* Section V
* Section IV

Instructions to Applicants (ITA)

Prequalification Data Sheet (PDS)

Qualification Criteria and Requirements

Application Forms Evaluation Criteria

Application Process Flowchart

6.2

6.3

6.4

7.1

The "Invitation for Prequalification Applications" (IPA) issued by the Procuring Agency is not part of the prequalification document. A sample form is provided as an attachment to this Prequalification Document for information only.

The Procuring Agency accepts no responsibility for the completeness

of the prequalification document and its addenda unless the original receipt of the bank deposit slip is attached with the documents.

The Applicant is expected to examine all instructions, forms, and terms

in the Prequalification Document and to furnish all information or documentation required by the Prequalification Document.

A prospective Applicant requiring any clarification of the

**7. Clarification of**

**Prequalification**

**Document**

**8. Amendment of**

**Prequalification**

**Document**

8.1

8.2

8.3

Prequalification Document shall contact the Procuring Agency in writing at the Procuring Agency's address indicated in the **PDS.** The Procuring Agency will respond in writing to any request for clarification provided that such request is received no later than ten (10) days prior to the deadline for submission of applications. The Procuring Agency shall forward copies of its response to all applicants who have acquired the prequalification document directly from the Procuring Agency including a description of the inquiry but without identifying its source. Should the Procuring Agency deem it necessary to amend the prequalification document as a result of a clarification it shall do under intimation to all the applicants who have obtained the prequalification documents.

At any time prior to the deadline for submission of applications, the

Procuring Agency may amend the Prequalification Document by issuing addenda.

Any addendum issued shall be part of the Prequalification Document and shall be communicated in writing to all who have obtained the prequalification document from the Procuring Agency.

To give prospective Applicants reasonable time to take an addendum

into account in preparing their applications, the PA may, at its discretion, extend the deadline for the submission of applications

**C. Preparation of Application**

**9. Cost of**

**Applications**

**10. Language of**

**Application**

**11. Documents Comprising the**

**Application**

9.1

10.1

11.1

The Applicant shall bear all costs associated with the preparation and

submission of its application. The Procuring Agency will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the prequalification process.

The application as well as all correspondence and documents relating

to the prequalification exchanged by the Applicant and the Procuring Agency, shall be written in the language specified in the **PDS.** Supporting documents and printed literature that are part of the application may be in another language, provided they are accompanied by an accurate translation of the relevant passages in the language specified in the **PDS,** in which case, for purposes of interpretation of the application, the translation shall govern. All such documents should

be signed and stamped by the applicant

The application shall comprise the following:

(a) Application Submission Form, in accordance with ITA 12;

(b) Documentary evidence establishing the Applicant's eligibility to

prequalify, in accordance with ITA 13;

(c) Documentaryevidence establishing the Applicant's

qualifications, in accordance with ITA 14; and

(d) Any other document required as specified in the PDS.

12.1 The Applicant shall prepare an Application Submission Sheet using

**12.Application**

**Submission Form**

**13. Documents**

**Establishing the Eligibility of the**

**Applicant**

**14. Documents**

**Establishing the**

**Qualifications of the**

**Applicant**

**15. Signing of the**

**Application and**

**Number of Copies**

13.1

14.1

15.1

the form provided in the Section IV Application Forms. This Form

must be completed without any alteration to its format.

To establish its eligibility in accordance with ITA 4, the Applicant shall complete the Declarations for the Supplier and for foreign manufacturer if applicable.

To establish its qualifications to perform the contract(s) in accordance with Section III, Qualification Criteria and Requirements, the Applicant shall provide the information requested as evidence to

comply with the criteria

The Applicant shall prepare one original of the documents comprising the application as described in ITA 11 and clearly mark it "ORIGINAL". The original of the application shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Applicant.

**D. Submission of Application**

**16. Sealing and Identification of**

**Applications**

**17.Deadline for**

**Submission of**

**Applications**

**18. Late**

**Applications**

**19. Opening of**

**Applications**

16.1

16.2

17.1

17.2

18.1

19.1

19.2

The Applicant shall enclose the original and the copies(If requested)of the application in a sealed envelope that shall:

(a) bear the name and address of the Applicant;

(b) be addressed to the Procuring Agency, in accordance with ITA

17.1; and

(c) bear the specific identification of this prequalification process

indicated in the PDS 1.1

The Procuring Agency will accept no responsibility for not

processing any envelope that was not identified as required.

Applicants may always submit their applications by mail or by

hand. Applications shall be received by the Procuring Agency at the address and no later than the deadline indicated in the **PDS.** A receipt will be given for all applications submitted.

The Procuring Agency may, at its discretion, extend the deadline for

the submission of applications by amending the Prequalification Document in which case all rights and obligations of the Procuring Agency and the Applicants subject to the previous deadline shall thereafter be subject to the deadline as extended.

Any application received by the Procuring Agency after the deadline for submission of applications will not be entertained as indicated in the **PDS**.

The Procuring Agency shall open all Applications at the date, time

and place specified in the **PDS**. Late Applications shall be treated in accordance with ITA 18.

Procuring Agency shall prepare a record of the opening of applications that shall include the name and other details of the Applicant.

**E. Procedures for Evaluation of Applications**

**20. Confidentiality**

20.1

20.2

Information relating to the evaluation of applications, and

recommendation for prequalification, shall not be disclosed to Applicants or any other persons not officially concerned with such process until the notification of prequalification is made to all Applicants.

From the deadline for submission of applications to the time of

notification of the results of the prequalification, any Applicant that wishes to contact the Procuring Agency on any matter related to the prequalification process, may do so but only in writing.

**21. Clarification of**

**Applications**

**22. Responsiveness**

**of Applications**

**23. Domestic Bidder**

**Price Preference**

21.1

21.2

22.1

23.1

To assist in the evaluation of applications, the Procuring Agency

may, at its discretion, ask any Applicant for a clarification of its application which shall be submitted within a stated reasonable period of time. Any request for clarification and all clarifications shall be in writing.

If an Applicant does not provide clarifications of the information

requested by the deadline, the application shall be evaluated based on the information and documents available at the time of evaluation of the application.

All applications not responsive to the requirements of the

prequalification document shall be rejected.

Unless otherwise specified in the **PDS,** a margin of preference for domestic bidders shall not apply in the bidding process resulting from this prequalification.

**F. Evaluation of Applications and Prequalification of Applicants**

**24. Evaluation of**

**Applications**

**25. Procuring**

**Agency's Right to**

**Accept or Reject**

**Applications**

**26. Prequalification**

**of Applicants**

**27. Notification of**

**Prequalification**

**28. Invitation to Bid**

24.1

24.2

25.1

26.1

27.1

28.1

The Procuring Agency shall use the factors, methods, criteria, and

requirements defined in Evaluation Criteria and Requirements to evaluate the qualifications of the Applicants. The use of other methods, criteria, or requirements shall not be permitted.

In case of more than one item, the Procuring Agency shall prequalify

each Applicant for the maximum number and types of items for which the Applicant meets the appropriate aggregate requirements of such items, as specified in the Qualification Criteria and Requirements.

The Procuring Agency reserves the right to accept or reject all the

applications, and to annul the prequalification process, without thereby incurring any liability to Applicants as per PPRA 2014.

All Applicants whose applications have met the specified requirements will, to the exclusion of all others, be prequalified by the Procuring Agency.

Once the Procuring Agency has completed the evaluation of the

applications it shall notify all Applicants in writing indicating their status as to qualified or ineligible.

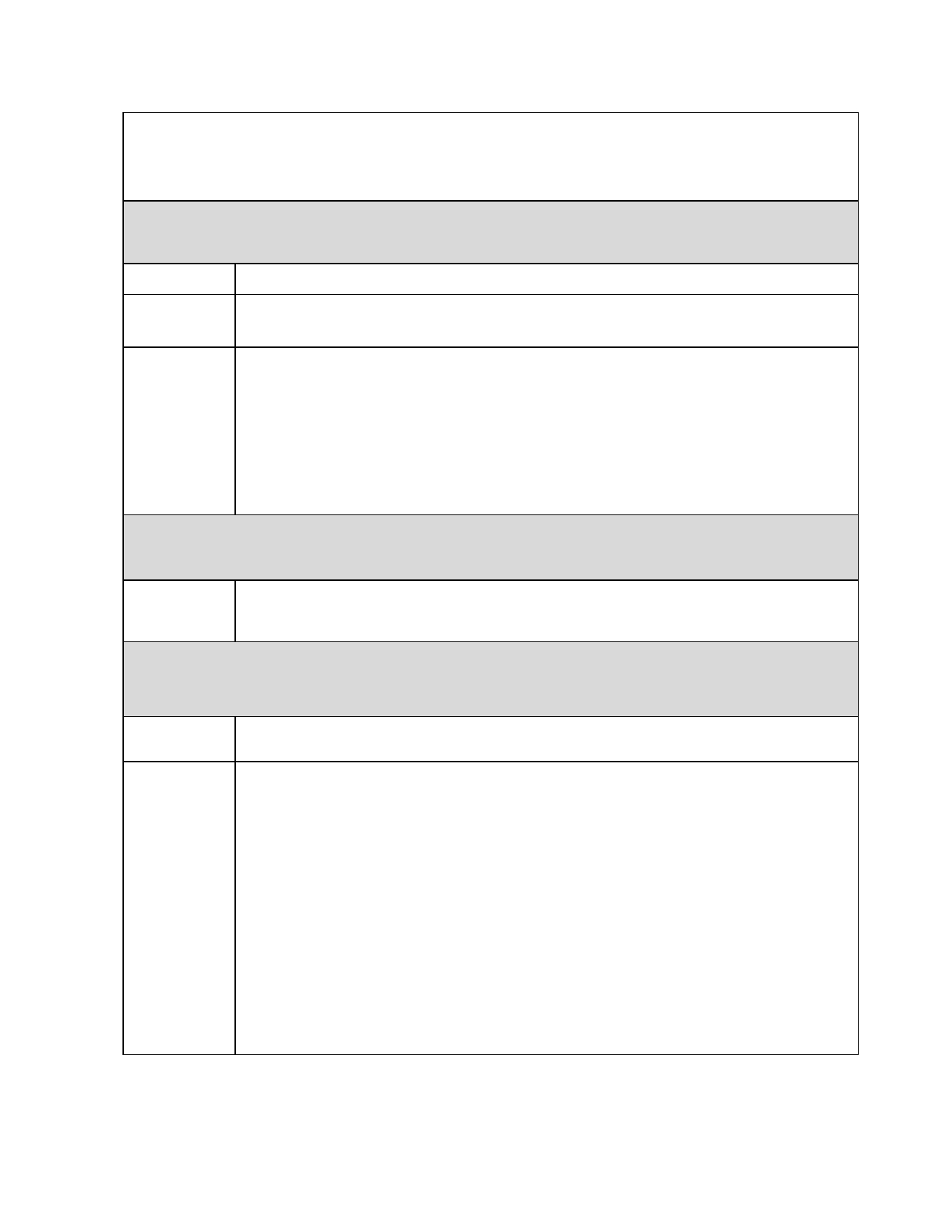
After the notification of the results of the prequalification the

Procuring Agency shall initiate the procurement process, which shall

only be participated by the prequalified bidders.

**29. Arbitration**  29.1 The Executive Director of Rawalpindi Institute of Cardiology,

Rawalpindi will be the arbitrator. The decision of the arbitrator will be final and will be binding on the applicant applying for prequalification



**ITA 1.1**

**ITA 4.7**

**Section II: Prequalification Data Sheet (PDS)**

1. **General**

*Name of Procuring Agency: -*Rawalpindi Institute of Cardiology, Rawalpindi

*PQD name and number are: -* Pre-qualification Documents for the firms

Dealing in WHOLE BODY MULTI SLICE ULTRA-FAST CT SCANNER FOR ACUTE STROKE & VASCULAR INTERVENTIONS.

*Address for communication:*

**Executive Director**

**Rawalpindi Institute of Cardiology**

**Rawal Road, Rawalpindi**

**051-9281111**

**B. Contents of the Prequalification Document**

**ITA 7.1**  For **clarification purposes,** the Procuring Agency's address is: “same as in 4.7 above

**C. Preparation of Application**

**ITA 10.1**  The language of the application as well as of all correspondence is: **"English"**

**ITA 11.1 (d)** The Applicant shall submit the following documents in addition to the ones outlined

in the application forms:

1.

2.

3.

4. 5.

Articles of Incorporation or Documents of Constitution, and documents of

registration of the legal entity named above. In case of JV, letter of intent to form JV or JV agreement.

Applicants signed Declaration on PKR 100.00 judicial as per Annex 4 and

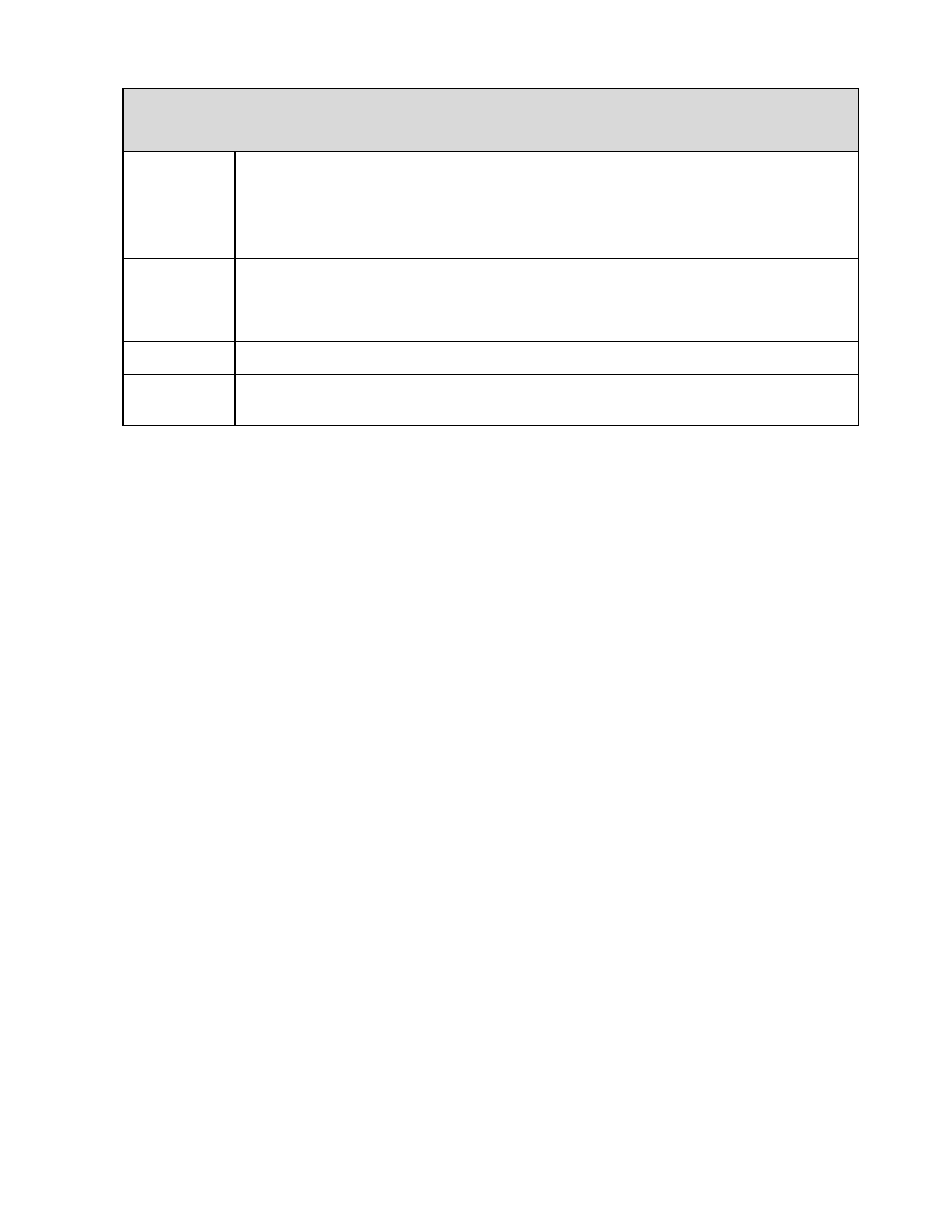
Annex 5 (in case of foreign manufactured product) shall be attached

List of products manufactured / supplied

Copy of GMP/ISO and other certifications whichever is relevant.

Audited balance sheets, including all related notes, and income statements for

the last 3 years

**D. Submission of Applications**

**ITA 17.1**

**ITA 18.1**

**ITA 19.1**

Applicants ***"shall not"*** have the option of submitting their applications

electronically.

For application submission purposes only, the Procuring Agency's address is:

*"Procuring Agency's address is the same as that indicated in 4.7*

**The deadline for application submission is:**

**Date:31-01-2022**

**Time: 11:00 Hours**

Late applications shall not be entertained.

The opening of the Applications shall be on **31-01-2022at 11:30Hrs**

**Section III: Qualification Criteria and Requirements**

This Section contains evaluation criteria, and information required by the Procuring Agency in this

context from various types of applicants. There are however certain general requirements as listed

below, which need to be observed regardless of the type of Firm, and further there are some

particular aspects regarding which information would need to be provided additionally depending on the type of firm.

**General requirements**

**Data and Documents required**

A completed form needs to be submitted covering the following information

* + Firm's Personal Details with NTN and GST Registration Numbers
  + Firm's Legal Status
  + Business Details and turnover, for Joint ventures firms may be scrutinized individually or severally.
  + Firm's management Information
  + The specific product /s in regard to which prequalification is required; clearly mentioning a brief description of the product including its intended medical use.
  + Firm should have office with complete workshop, spare parts inventory, calibration tools and factory trained engineersin Rawalpindi / Islamabad. (At least 03 for Ultra Fast CT Scanner). Also one clinical trainer for Ultra-Fast CT Scanner for clinical training in Rawalpindi / Islamabad. Procuring agency will visit offices /work shop during scrutiny.
  + If a Firm has represented the same manufacturer(Principal) in the past as a sole agent with a different name and legal status; The relevant experience, past performance, financial position and managerial capabilities of the Firm as previous entity shall be considered in evaluation criteria; if it provides a certificate from the Principal that the existing Firm has represented the Principal with a different name and legal status in the past.
  + Brochure / literature of all available models for the specific product /s items must be attached with the application.

**Past Experience and Current Commitments**

A detailed record needs to be provided about the current /previous procurement projects and the service

Contract commitments. A proof of at least one installed unit and 01 year of experience is required with the similar product for after sales services. Additionally, references from all client institution for the past 3-year needs to be provided at least covering the following aspects

 After Sales Services and Service Contract evaluation and Satisfaction

 Execution records with adherence to Delivery time and instructions

 Contract copy and Completion Certificate

**Financial Capability**

The following documents needs to be submitted by the Firm in this respect

 Copies of audited report for audited accounts for last 3 years

 Bank Certificate regarding Financial Standing / capability of the firm

 Copies of Tax paid Returns last 3 years

**Litigations and Arbitration incidents (if any)**

 Any past litigation and arbitration incidences encountered by the firm need to be enumerated.

 Statement if the firm including the director and the owners is/was a subject of bankruptcy

proceedings, receivership, administration receivership, or any other form of liquidation.

**Additional Information**

The Procuring Agency reserves the right to request submission of additional information from prospective

firms.

The applicant Firms must submit the full application form and all applications must be addressed to the Executive Director, Rawalpindi Institute of Cardiology, Rawalpindi and must be signed by the authorized person of the Firm.

Each page of the form should be signed and stamped properly before submission and separate sheets should be used for additional information.

**Supplier Specific Aspects**

If the Firm is applying as a **Supplier** representing a manufacturer (Foreign or Local) then it needs to

provide the following in addition to the General requirements stated above;

 The type of agency agreement with the manufacturer and the date of expiry. Open Agency

Agreement (s) without expiry date will not be considered.

The certificate from the manufacturer(Principal) that the same Firm has beenrepresenting as soleagent of the principal in the past with a different name and legal status, (If applicable)

 Training of Personnel and Engineering infrastructure Capabilities for the application of the

product/s that needs to be prequalified with respect to working capacity. CVs and contract copies of trained engineers need to be provided.

 Relevant details of general Tool and Calibration equipment of the application needs to be provided

with Serial Numbers and Model and Calibration certificate where applicable. Proof of Renewal / Calibration of Test Tools from PNRA should be attached.

 Statement for Evidence of availability and proper implementation of a documentation and record

Management System will be evaluated.

 Spare Parts Inventory of the Product to be prequalified should be available.

 Address of Manufacturer (Local/ Foreign), Manufacturing Unit (s), CE/EN/ISO and other

regulatory Certifications, Quality and Environmental Compliance.

 Additionally, Market share of the represented manufacturer in the global and the Pakistani Market is

also required.

 Identification of the Key Persons for the Supplier

 Compliance and conformity with Quality and Environment standards (ISO 9001:2008)

 Any other Certifications

 Statement for Record keeping and Evidence of Periodic Preventive Maintenance and Calibrations

Above stated specific and general requirements / information to be provided by the Supplier are

summarized in application **Form SFLM\_P** attached as **Annexure 1**. Detailed Inspection will cover all aspect where document-based evidence is not sufficient.

**Declaration**

An undertaking needs to be signed by an authorized contact person from the Supplier Firm, on Rs.100

Judicial Paper. The format can be found attached at **Annexure 4.**

**Foreign Manufacturer Specific Aspects**

If the Firm is applying as a Supplier / Distributor of a foreign manufacturer then the following details are to be arranged by the supplier from the manufacturer, and mandatory to be provided by the **Foreign Manufacturer**.

 Details of Manufacturing Sites/ Units with their manufacturing capacity.

 Certification to provide evidence for Conformity and Compliance with the standards for Quality

and Environment (ISO 9001:2008, ISO13485: 2003 and ISO14000 and GMP)

 Regulatory and Quality assurance Certification of the manufacturer are required for the particular

product like FDA, MDD, JMHLW and CE

 International Market Share

 Units Sold in Pakistan

 Signed Confirmation of availability of Spare Parts the Product to be prequalified for at least 10

years.

 Confirmation that the local supplier / distributor has the requisite technical personnel with

certification to service / maintain the product where such certification is required by the manufacturer.

 Identification of contact persons in the foreign firm relating to the country/ region for all technical

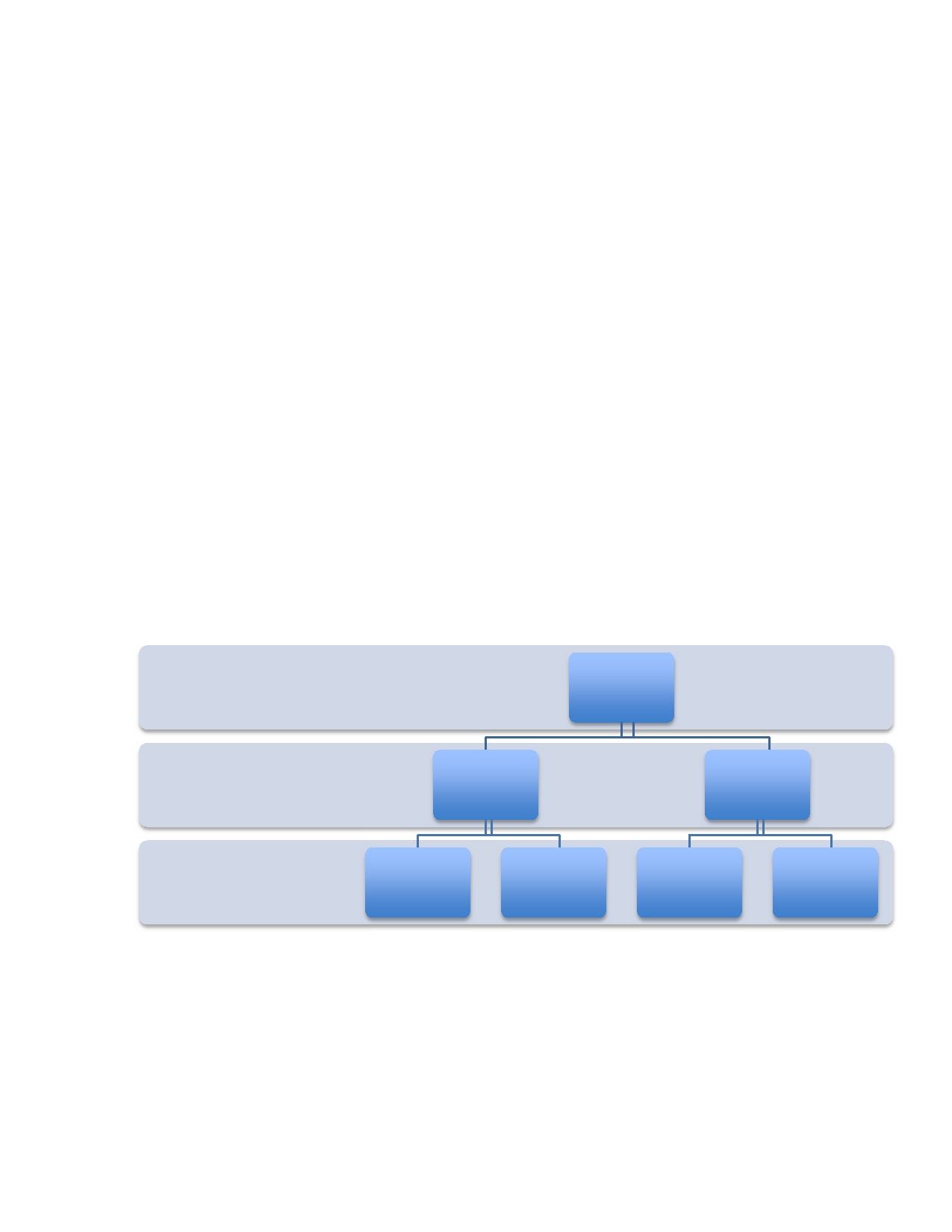
issues (Training and maintenance etc).

 Identification of a contact person for all Commercial issues.

**Foreign Manufacturer Declaration in case the supplier is prequalified**

An undertaking needs to be signed and stamped by an authorized contact person from the Foreign

Manufacturer. The structure of the declaration is attached as **Annexure 5).**

**Section IV: Application Forms**

**Type of Prequalification Forms**

The following process needs to be followed and accordingly the relevant forms need to be submitted

 The Applicant Firm needs to be identified either as a Sole agent of a Local or a Foreign manufacturer, or

as a Local Manufacturer itself.

 In case the Supplier firm represents a Foreign manufacturer, it would need to apply for Prequalification

for itself as a supplier via **Form SFLM\_P** attached as **Annexure 1)** and additionally ensure that the Products of the Foreign Manufacturer are prequalified via application through **Form FM\_S** attached as **Annexure 3)**. The supplier may represent prequalified products for more than one manufacturer in which case a separate **Form FM\_S** would be required for each manufacturer.

 If however the afore stated Supplier firm wishes to represent a Local manufacturer besides applying for

Prequalification for itself as a supplier it would need to ensure that the Products of the Local Manufacturer are Prequalified via application through **Form LM\_SP** attached as **Annexure 2),** at least to the extent of the forms first portion.

 A Local Manufacturer may however apply directly for Prequalification of its products and / or Pre-

qualification as a supplier via **Form LM\_SP** attached as **Annexure 2).**

Application for

Type of Firm /

Prequalification Form

used

Supplier

Prequalification

Fo r m S FLM \_ P

Product / s

Local Manufacturer

Prequalification

Fo r m LM \_ S P

Standardization of

Manufacturer products /

Form used

Foreign Manufacture

Prequalification

Fo r m FM \_ S

Local Manufacturer

Prequalification

Form LM\_SP, Part I

Manufacturing

Capabilitiers / Product

Prequalification

Form LM-SP, Part I

Supplier Aspect

Form LM-SP, Part II

**Section V: Evaluation Criteria**

**The Evaluation Process**

The Evaluation process essentially will have two components, Evaluation of Supplier Aspect and

the Evaluation of the Manufacturer. The Evaluation Criteria for the manufacturers (Local and

Foreign) are highlighted below and the clauses are mandatory while the criteria for the supplier is as per Annexure 6.

**Evaluation Criteria for Supplier**

The format to be used for the evaluation criteria by the evaluation committee for supplier of equipment / entity interacting with procuring agency for particular products is outlined in **Annexure 6**. The qualification criteria require on an overall average 70% passing marks (Foreign Manufactured Product) and 60% passing mark (Locally Manufactured Product) with a minimum score to be achieved in aspects wherever indicated. Firms complying with the criteria as stated above in addition to the manufacture evaluation criteria will be considered favorably for prequalification for that particular product.

**Evaluation Criteria for Foreign Manufacturer**

For prequalification of Foreign primary reliance by the evaluation committee in this context would be on the manufacturer's quality and regulatory certifications, market standing and surveys conducted by credible rating agencies, along with user's local experience with their products, and an adequate productive capacity where relevant. Details in this respect have already been listed in Section III earlier. In case of manufacturer being non-compliant with the criterion, the supplier will not be further considered for pre-qualification and the application will be rejected for that particular manufacturer.

**Evaluation Criteria for Local Manufacturer**

For Local manufacturers however a minimum of 3-4 years of manufacturing experience of the particular product and besides the desk review as above, an in depth inspection of the manufacturing facilities will play a very important role in evaluation. The committee will carry out inspection covering evaluation of the facilities technical design & quality management system

to ensure that appropriate health safety and performance standards are met with:

 Facility is ISO 13485:2012 & GMP/21 CFR 820 compliant.

 Documentation processes are in place to support traceability with Design History File

(DHF).

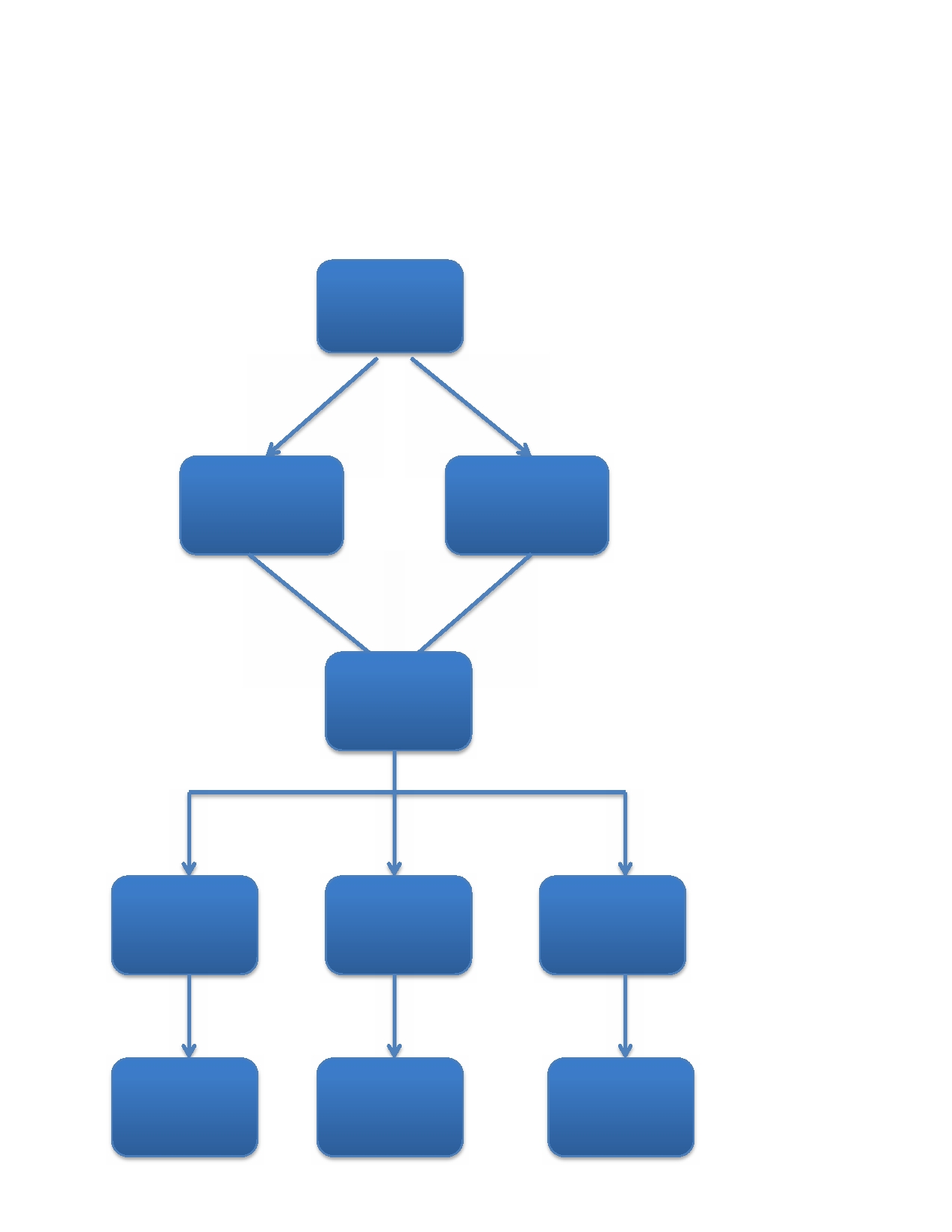
 Appropriate Manufacturing and testing equipment is available.

 Human factors usability testing has been carried out for the Product.

It is mandatory for the local manufacturer to comply with criteria laid down for locally

manufactured product before the supplier aspect can be evaluated. In case of manufacturer

being

non-compliant with the criteria, the supplier will not be further considered for pre-qualification

and the application will be rejected for that particular manufacturer.

**Section VI: Application Process Flowchart**

Once all complete applications abiding by the deadline have been received, the scrutiny process will be started. It consists mainly of two components (Desk Review of the application and Inspection). The

**following diagram is indicative of the process:**

Complete

Application

Submitted

Application Desk

Inspection

review

Tally

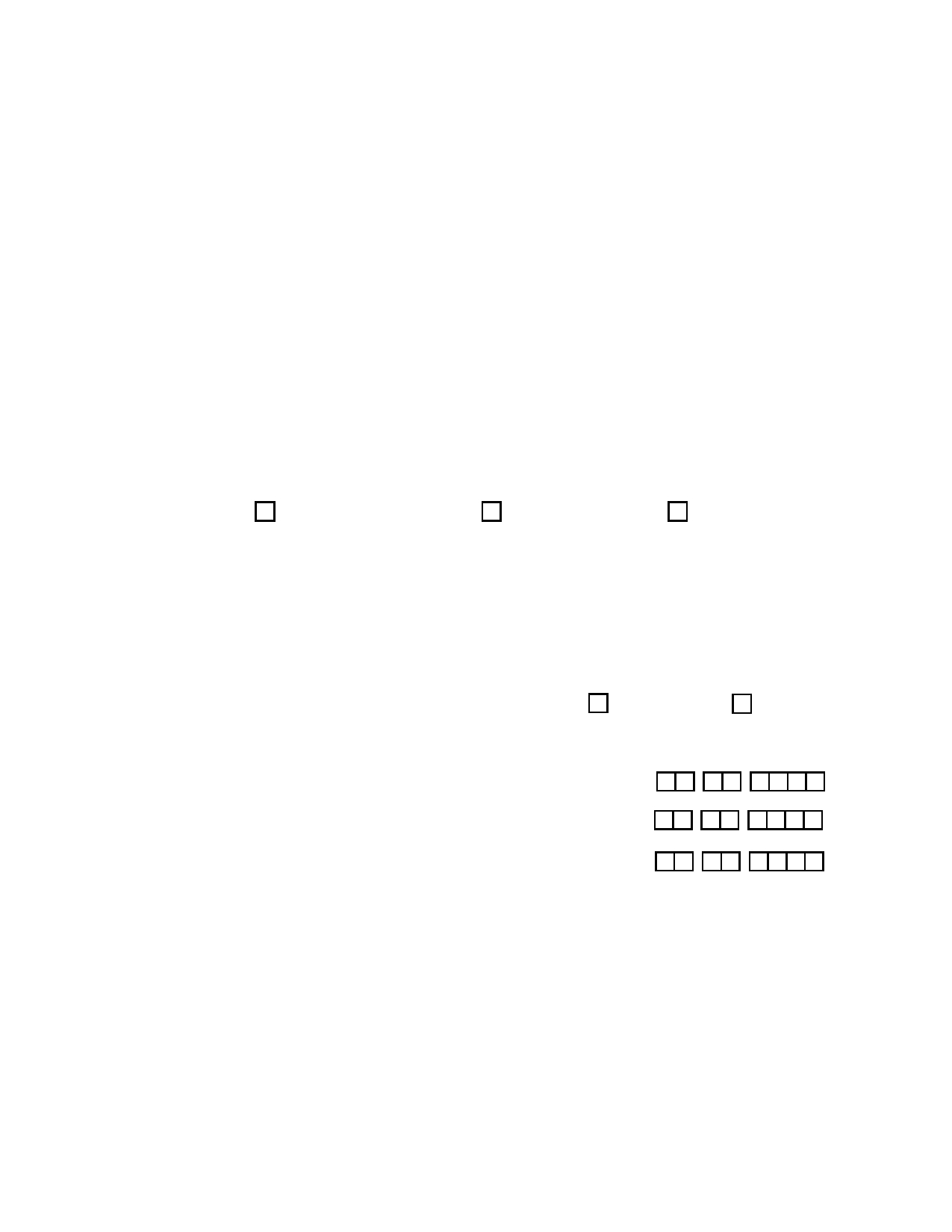
Information &

Evaluation

Meet Do not Meet Fraudulent

Requirement Requirement Data

Prequalified Rejected Blacklisted

**Annex-I** **Form SLFM\_P**

**PRE-QUALIFICATION OF FIRMS / AGENTS**

Product applied for: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of firm \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Phone \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Fax \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ E-mail \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ URL http://www.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Type of firm: Sole Proprietor Partner Ship Limited

Other\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date of establishment \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

List of Board of Directors, Partners, Key Management Personnel (both Technical, Sales &Management - include position, professional qualification, experience).

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Total area of the firm premises \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Owned Rented

Total no. of Employees (Technical & Non - Technical) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

National Tax Number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date

General Tax Number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date

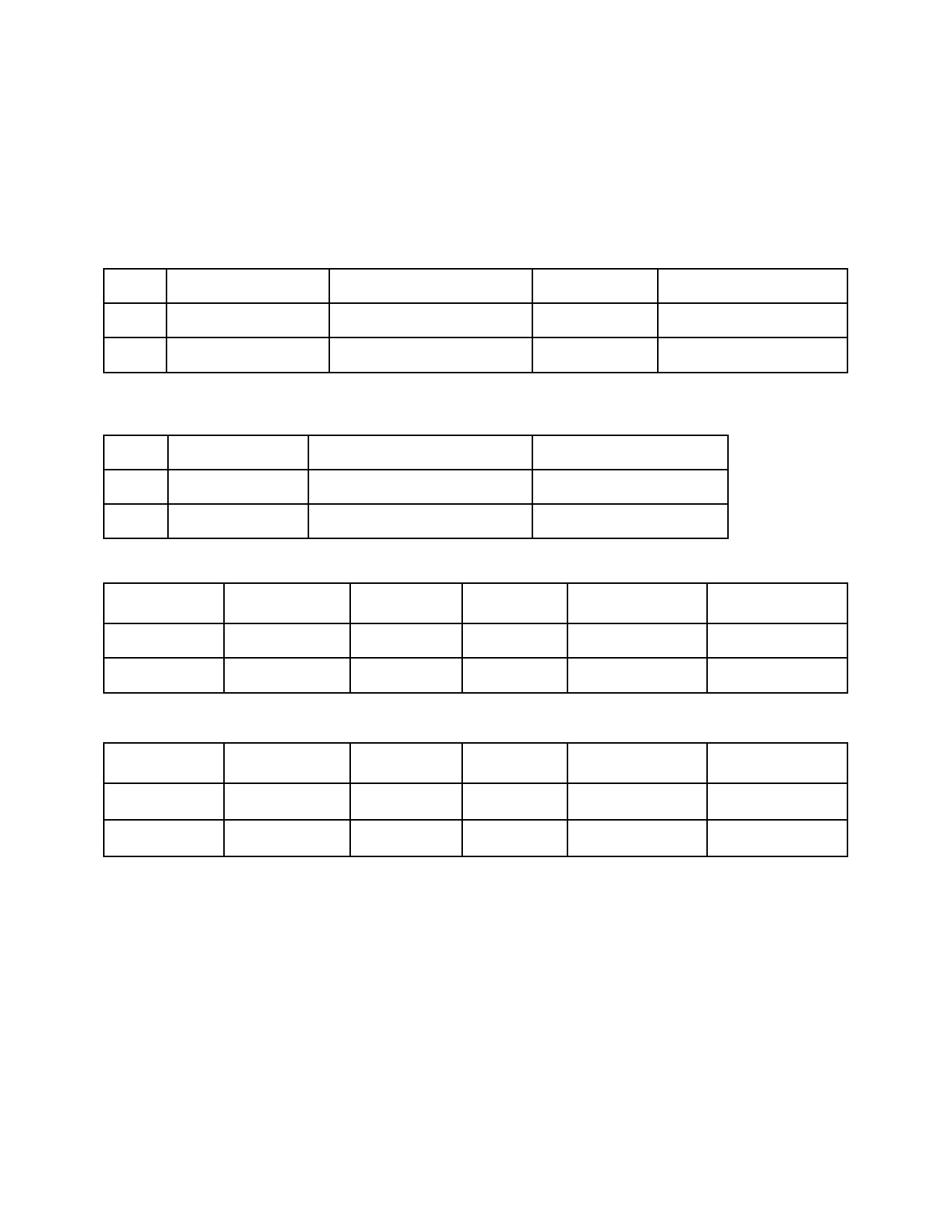
Registration with LCC & I / CC & I \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date

Registrations / Prequalification with other departments:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Detail of Head / Branch Office / Workshop (s):**

Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Phone \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Fax \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



Phone \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Fax \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Annual business turnover, last 3 years (Rs.)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Annual Income tax paid, last 3 years (Rs.) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**All Contracts / Products sold during last one year:**

*(Separate Public / Private)*

**S. No.**  **Institution**  **Product / Services**  **Year**  **Quantity / Value**

**Product Information:**

**S.No.**  **Product**  **Make / Manufacturer**  **Country of Origin**

**Sales / Marketing Staff:**

**Name**

**Designation /**

**Responsibility**

**Qualification**

**Total**

**Experience**

**Experience with**

**Current Firm**

**Training Detail**

**(Local &abroad)**

**Technical Staff:**

**Name**

**Designation /**

**Responsibility**

**Qualification**

**Total**

**Experience**

**Experience with**

**Current Firm**

**Training Detail**

**(Local &abroad)**

Major Testing / Calibration / Repair Tools (General use, Product category specific) with serial no and model:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Spares inventory (Product) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Back up units (Product) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Maintenance/ Record Management System \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Arbitration History (if any):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Consolidated Information:**

**S.**

**No.**

**Product**

**M ake /**

**Manufacturer**

**Sole Agency**

**Agreement**

**(Y / N)**

**Name of Relevant**

**Engr. & Qualification**

**Training by**

**Manufacturer**

**(Y/N)**

**Product Specific**

**Testing/ Calibration**

**Tools (Y/N)**

**Spares**

**Inventory**

**(Y/N)**

**Backup**

**unit**

**(Y/N)**

Signature & Stamp of Firm

**DOCUMENTS TO BE ATTACHED (COPIES):**

a) Registration with Registrar of firms / SECP.

b) Organizational Chart showing chain of command.

c) Valid agency agreement (s) duly attested by the Embassy Concerned, in case of agent of foreign principals and

Chamber of Commerce and Industry (CC&I) for agents of local manufacturer.

d) NTN Certificate / GST Certificate

e) Bank Certificate regarding financial strength.

f) Registration with LCC&I / CC&I

g) Registration / Pre-qualification with other departments. h) ISO9001:2008 certificate, if available.

i) Undertaking on Judicial Paper as per specimen.

j) References from existing Customers.

k) Certificate of manufacturer that the Firm has been working as sole agent with a different name and legal status in the past. (If applicable)

k) Any other needed document as a proof to comply with the qualificationcriteria (appointment letters, training certificates, degree copies etc)

**Note**: If embassy certificate is not attached at the time of application in case of foreign manufacturer, this needs to be provided within a maximum of 90 days..

**ANNEX-II**

**SUPPLIER PRE-QUALIFICATION**

**PART I**- Manufacturers wishing to supply products directly to RIC, Rawalpindi would be required to provide below stated information.

**Major Contracts / Products sold during last three years:**

*(Separate Public / Private)*

**S.No.**  **Institution**  **Product / Services**  **Year**  **Quantity / Value**

**Sales / Marketing Staff:**

**Name**

**Designation /**

**Responsibility**

**Qualification**

**Total**

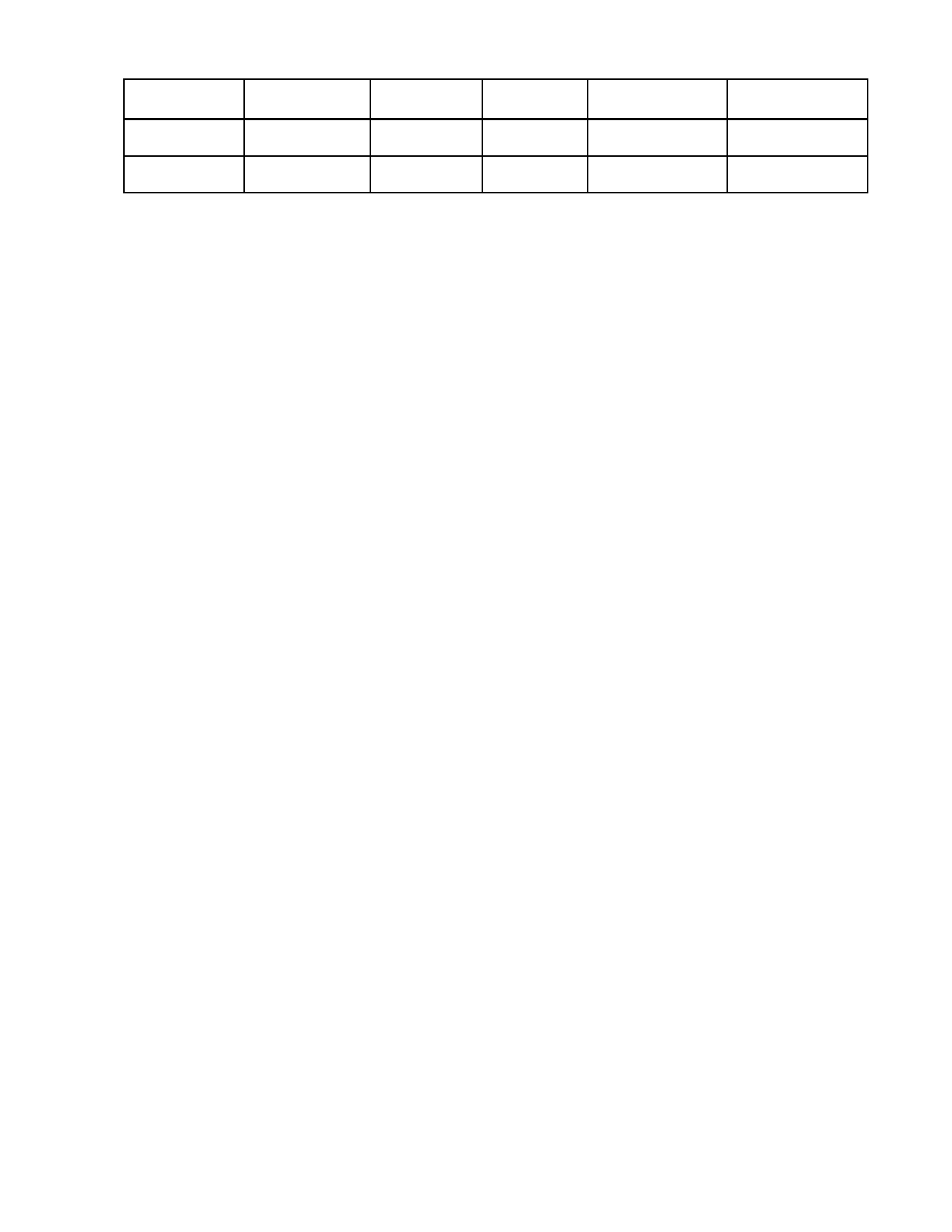
**Experience**

**Experience with**

**Current Firm**

**Training Detail**

**(Local & abroad)**

**Maintenance Technical Staff:**

**Name**

**Designation / Responsibility**

**Qualification**

**Total**

**Experience**

**Experience with**

**Current Firm**

**Training Detail (Local & abroad)**

Details of Facilities for Sales, provision of Maintenance service and Workshops:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Major Testing / Calibration / Repair Tools (General use, Product category specific) with

serial no and model: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Spares inventory (Product Category wise) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Back up units (Product Category wise) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Maintenance record management system \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature & Stamp of Firm

**DOCUMENTS TO BE ATTACHED (COPIES):**

a)

b) c) d) e) f)

g) h) i) j)

k) l)

m)

Organizational chart showing chain of command.

Factory Layout plan, Production process flow diagram

NTN Certificate GST Certificate

Bank Certificate about financial strength.

Registration with LCC&I / CC&I

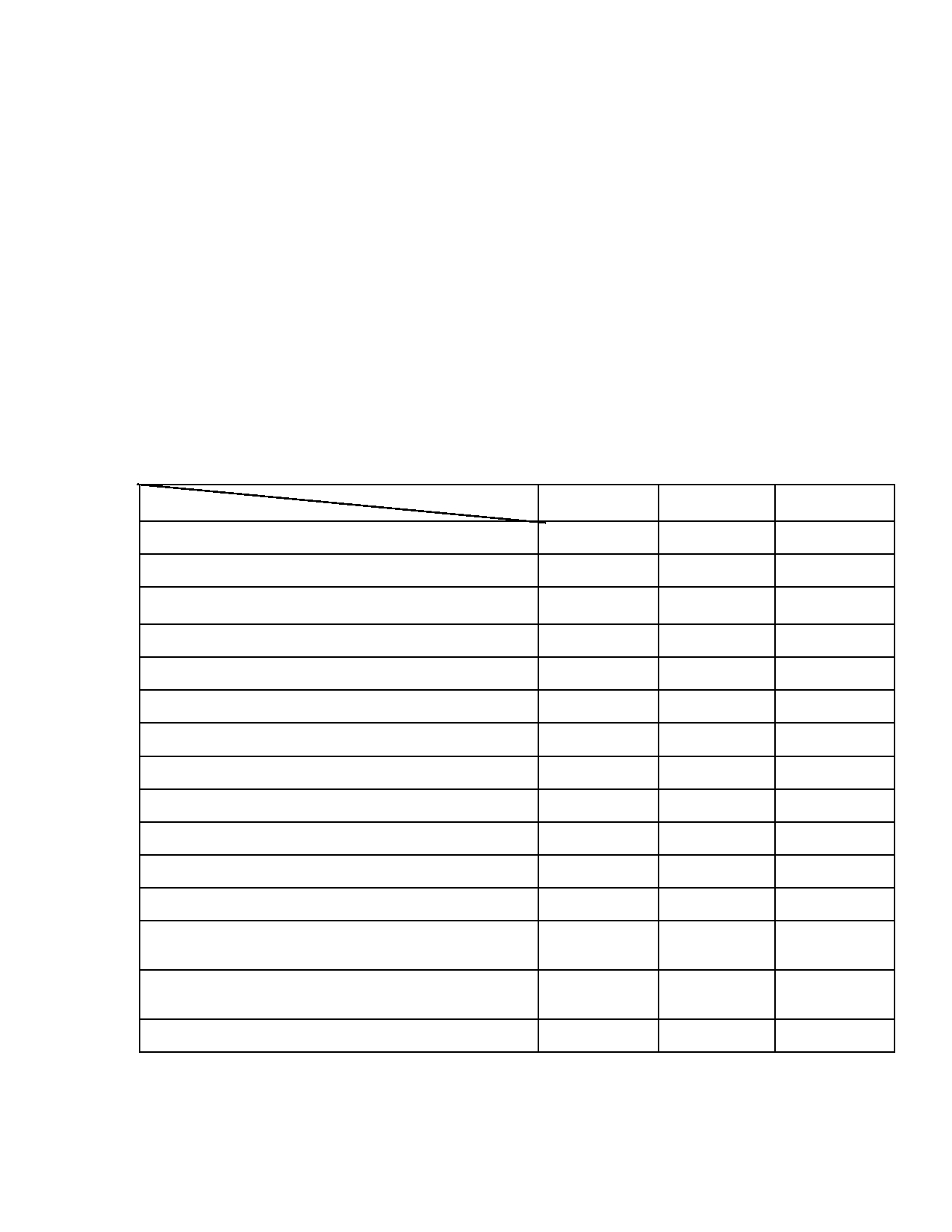
Registration / pre-qualification with other departments.

ISO 9001: 2008 / ISO 13485:2003, ISO 14000 and GMP certificate, if available. Undertaking on Rs. 100 Judicial paper as per specimen. Audited Balance sheet for last 3 years.

Tax paid receipts for last 3 years.

References from existing Customers.

Any other document needed as a proof to comply with the qualification criteria

**Annex- III** **Form FM\_S**

**PRE QUALIFICATION OF FOREIGN MANUFACTURER / SUPPLIER's**

**PRODUCTS**

Name of Foreign Manufacturer / Supplier applied for\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In case Foreign Manufacturer does not have a marketing department then, specify the legal and operational

relationship with original manufacturer of products applied for

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Local applying firm\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Phone \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Fax \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ E-mail \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ URL http://www. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Product Name No. 1 No. 2 No. 3

Indicators

Product Application

Make

Country of Origin / Manufacturing site

URL of Manufacturer

Group / Sub-Group

Patient Safety Standards

Product Quality Standards

Worldwide Market Share (Region-wise)

Number of Units Sold worldwide LY (Region-wise)

Total Number of Units Sold in Pakistan

Total Number of Units Sold by the current agent

Major Customers in Pakistan (Public/Private)

Contact particulars of responsible Management

/Commercial, Maintenance service persons in FM/S

Availability Maintenance support / Help desk facilities

from FM/S (Y/N)

Spare Parts availability for 10 years(Y/N)

**DOCUMENTS TO BE ATTACHED:**

a) Certificates of International Product Quality / Safety Standards

b) World ranking (/ third party evaluations) c) Original brochure / data sheet.

d) Any other evidence showing quality / performance of the product. e) Undertaking as per Annex 5.

Note: Use separate form for each Foreign Manufacturer products to be prequalified. Manufacture Declaration should be provided within a maximum of 30 days.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature & Stamp of Firm

**Annex- IVSupplier's Declaration**

To,

**The Executive Director**

**Rawalpindi Institute of Cardiology**

**Rawalpindi**

I declare that:

 I am authorized to represent the Firm specified in this prequalification application as the "Firm" for

the purposes of prequalification of equipment specified in this application as the "Product".

 All the information provided in this application is current and correct and the firm has no reservations

with the form.

 This application contains all the information as is prescribed in the *Prequalification Document*.

 The Firm will abide by all the rules and regulations, formulated by the government of Punjab

 The firm will notify you of all changes and variations to the Product / its manufacturing status.

 The firm has not been declared ineligible/blacklisted by any Government/ Semi Government

Department or Private Organization.

 If the Firm does not abide by the above stated Declaration then the Government of Punjab has every

right to permanently or temporarily Blacklist the Firm, Managing Directors and Owners.

Name of the Firm: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of the Authorized Contact Person for the Firm:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Capacity of the Authorized Contact Person for the Firm: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature of the Authorized Contact Person for the Firm: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Stamp of the Firm: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Annex-V Manufacturer’s Declaration**

To,

**The Executive Director**

**Rawalpindi Institute of Cardiology**

**Rawalpindi**

I declare that:

 I am authorized to represent the Firm specified in this prequalification application as the

"Manufacturer" for the purposes of prequalification of equipment specified in this application as the "Product".

 All the information provided in pursuance with this declaration is current and correct and is as

prescribed in the *Prequalification Document.*

 The Firms has no reservations with the form.

 This application contains all the information as is prescribed in the *Form FM\_S*.

 The Firm will abide by all the rules and regulations, formulated by the government of Punjab Health

Department.

 The firm takes the responsibility to fulfill all warranty & service contract related commitments, by

themselves or through another supplier /distributor in case the existing supplier/distributor is changed.

 The manufacturer will notify all changes and variations to the Product / its manufacturing

status/change of Supplier.

 Confirmation that the local supplier / distributor has the requisite technical personnel with

certification to service / maintain the product where such certification is required.

 The firm confirms the availability of spare parts for at least 10 years

 The firm has not been declared ineligible/blacklisted by any Government/ Semi Government

Department or Private organization.

 If the Firm does not abide by the above stated Declaration then the Government of Punjab has every

right to permanently or temporarily Blacklist the Firm, Managing Directors and Owners.

Name of the Firm: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of the Authorized Contact Person for the Firm: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Capacity of the Authorized Contact Person for the Firm: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature of the Authorized Contact Person for the Firm: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Stamp of the Firm: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**KNOCKOUT CLAUSES**

**The firm has to comply all of the following parameters, otherwise it will be knocked down and made ineligible for further processing.**

|  |  |  |
| --- | --- | --- |
| **S. #** | **Evaluation Parameters** | **Name of Firm** |
|  | Pre-qualification fee | Yes / No |
|  | Valid NTN | Yes / No |
|  | Valid GST Registration | Yes / No |
|  | Valid sole Agency Certificate (in case of agent / distributor / partners) | Yes / No |
|  | Minimum one year business history | Yes / No |
|  | Submission of complete application form | Yes / No |
|  | Submission of manufacturers declaration form | Yes / No |
|  | Submission of supplier declaration form | Yes / No |
|  | Boucher of concerned item | Yes / No |
|  | Satisfactory past performance | Yes / No |
|  | PNRA Registration Certificate (Only for the firms applied for radiation equipment | Yes / No |

1. The firm shall provide an undertaking from its principal vendor that the principal shall be responsible for after sale service and provision of parts for at least next 10 years.
2. The firm shall provide an undertaking that the firm has offered its latest model according to specifications mentioned in bidding documents

**Annex- VI: Prequalification Evaluation Criteria for Supplier**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. #** | **Description** | **Category Point** | **Grant Total** |
| **1** | **Similar Med Equip Business Experience** |  | **25** |
|  | 1year to5 years relevant experience  Above 5 years to10 years relevant experience | 06  08 |  |
|  | Specific Product Experience (1yr+) | 10 |  |
|  | Organizational strength / Related ME equip 7  installed base maintained | 07 |  |
| **2** | **Financial Status (Relative Marking)** |  | **10** |
|  | Tax Return (3 years) | 05 |  |
|  | Bank'sFinancialStandingCertificate (Proportionate) | 03 |  |
|  | Audited Accounts 3 years | 02 |  |
| **3** | **Certifications (ISO: 9001:2008)** | 05 | **05** |
|  | **PART 1 GENERAL ----TOTAL 40** |  |  |
| **4** | **Technical/ Engineering Capacities ForRelated 15 (Min 2 For Products (Trained Engineers Available In Local Office**) |  | **15** |
|  | 2-3  Above 3-6 | 06  10 |  |
|  | If engineer is DAE/technician multiple the score by 0.5, if B-Tech then by 0.75, BSc by 1, BSc with 6 years of experience or MSc. then by 1.5 | 05 |  |
| **5** | **Tools** |  | **10** |
|  | Calibration/Testing Tools | 06 |  |
|  | Repair Tools (specific to the product) | 03 |  |
|  | Updated Calibrations of master calibrator | 01 |  |
| **6** | **Spare Part And Backup Units For Installed Base Inventory / Confirmation Letter From Principal For Spare Parts Availability Within 72 Hrs** | 08 | **08** |
| **7** | **Total Eng / Training On The Specific Product (By Manufacturer / Factory) In Pakistan** |  | **10** |
|  | 1-2  Above 2-5 | 5  10 |  |
| **8** | **Number Of Units Sold In The Past 3 Years (Relative Marking)** | 07 | **07** |
| **9** | **Management Systems (Service Records/ Installed Base Management / Others) In Place** | 05 | **05** |
| **10** | **Support Structure** | 05 | **05** |
|  | **PART 2 TECHNICAL ----TOTAL 60**  **GRAND TOTAL** |  | **100** |

**Glossary**

Procuring Agency

Supplier

Pre-qualification

Turnover

In writing

One of the two parties to a supplies contract, the other party being the

"Supplier."

The legal entity that is party to and performs a supplies contract, the

other party to the contract being the "Procuring Agency."

An assessment made by the Procuring Agency before inviting bids, of the appropriate level of experience and capacity of firms expressing interest in undertaking a particular contract, before inviting them to bid.

The gross earnings of a firm, defined as the billings for supplies in progress and/or completed, normally expressed on an annual basis, and excluding income from other sources.

For the purpose of this document, means authenticated handwritten, typed, or printed; a document prepared in writing can be transmitted by telex, electronic mail, facsimile, with proof of receipt; and in the form requested by the sender.

**DEMAND & SPECIFICATION FOR WHOLE BODY MULTI SLICE ULTRA-FAST CT SCANNER FOR ACUTE STROKE & VASCULAR INTERVENTIONS IN RAWALPINDI INSTITUTE OF CARDIOLOGY, RAWALPINDI.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sr.** | **Equipment Name** | **Qty In Hand** | **Qty Required** | **Estimated Cost/ US$** | **Total Estimate**  **Cost US$** |
| **RADIOLOGY EQUIPMENT** | | | | | |
| 1. | Whole body Multi Slice Ultrafast CT Scanner | 00 | 01 | US$ 2,500,000 | **US$ 2,500,000** |

|  |  |
| --- | --- |
| **Sr. No 01** | |
| **Clinical Specialty** | Radiological Equipment |
| **Generic Name** | **Whole body Multi Slice Ultrafast CT Scanner** |
| **Quantity** | 01 |
| **Clinical purpose** | Latest top of the line model having detector width of 12 cm or more in 360-degree rotation. Multi slice CT scanner with latest hardware and software system for whole body focusing the general patients, adult coronary diseases & structural heart disease. |
| **Technical specification:**  **GANTRY**  System should be compatible with 12 cm or more detector width for all applications.  Gantry bore/aperture to be at least 70 cm or more  Minimum gantry rotation time to be at least 0.28 sec or less for full range of multi slice scan per 360-degree rotation for all applications.  Gantry tilt range must be +/-30 degrees or better and system should be capable of tilted helical/sequential scan.  Maximum scan field of view to be at least 50 cm and field of view for pediatrics’ to be 30 cm or less.  Minimum slice thickness: 0.625 mm or less in axial and helical mode.  Bilateral control of gantry & table from the gantry housing & operator console.  **TUBE**  Anode heat storage capacity of at least 7.0 MHU or as per manufacturer’s recommendation.  Tube Current 725mA or more  **GENERATOR**  High frequency power generator with minimum power of at least 100 kW.  Should have ability to vary the power (mAs) automatically in steps  Real time dose reduction hardware /software and with ECG modulation.  Able to calculate patient dose in mili-sieverts before image acquisition (CTDI)  Low Contrast detectability (LCD) calculated on a CATPHAN 20 cm, of 5 mm resolution with a CT Number of 3 HU (0.3%) or better, contrast difference.  Spatial resolution 16 LP/cm or more at cut off.  Cardiac Temporal resolution 70ms or better.  **DETECTORS**  Solid state crystals/ ultra-fast ceramic detectors with conversion efficiency (X-ray to signal strength) of 12cm or more detector width per 360-degree rotation.  Isotropic voxel size of 0.35mm or better, in all three axis.  **COUCH**  Dual motorized control (from console and gantry) of table movements in horizontal and vertical axis Maximum weight allowed on the couch up to 200 kg or more  Horizontal movement speed up to 200 mm/sec or better. Single acquisition scan range of at least 1.5 meters or more  Scan with at least 0.25 mm accuracy / reproducibility on a 200 kg patient or better  **CONSOLE COMPUTER**  System architecture and operating system must be based on latest technology (64 Bit RISC / Quad Core Processor PC)  Multitasking and parallel processing CPU System  At least 16 GB RAM or more  Hard disc capacity for image storage of at least 700,000(uncompressed) images or more in 512 matrix or more.  Reconstruction of at least 50 images per second or better at 512 x 512 matrix.  Image area display matrix dimensions (1024x1024)  Console color monitor (x 02) LED/ LCD or better type of at least 19 inches or more, medical grade with maximum viewing angle  DVD / CD writer or USB hubs.  **CONSOLE SOFTWARE:**  Latest software for dedicated liver imaging especially for pre-transplant work-up.  Latest cardiovascular &whole-body software versions should be supplied at the time of shipment.  True isotropic volume acquisition  Dual Energy CT for following functions;  Composition analysis for renal, virtual non contrast/ contrast boost, iodine mapping/iodine overlay or similar.  Prospective and retrospective ECG gated acquisition.  Variable delay algorithm for automatically finding the best phase for cardiac CT imaging  Automated contrast media bolus tracking software.  3D reconstruction & display:  Maximum and minimum intensity projections.  Multi-planar and curved planer reconstruction.  3-D Shaded Surface Display.  3-D Volume Rendering software  3-D Virtual endoscopy/colonoscopy/bronchoscopy  3-D Cone beam connection  Brain Perfusion Analysis (at workstation)  Organ Perfusion Analysis (at workstation)  Artifact Reduction Algorithm.  CT Fluoroscopy with real time imaging and display of at least 10-12 frames / sec with required hardware and software. One high resolution LCD/LED/OLED monitor of 17 inch or more in CT  room on mobile base or ceiling mounted.  CT Angiography including dedicated Cardiac CT Angiography including pediatric and structure heart disease.  Dose Control Parameters (Online/continuous)  Dose Display CTDI, DLP, Dose Efficiency etc.  Iterative Reconstruction technique with dedicated dose reduction software and hardware.  Automatic control of tube current over high and low attenuation areas for patient dose reduction.  **CT WORKSTATIONS:**  Minimum 03 or more Dedicated user workstations with Thin Client Solution with Licensed software and having concurrent user licenses with necessary hardware (quantity would  be specified by the procuring agency at the time of procurement).  FDA & CE approved and will be shipped with the system by the vendor. The workstation should of the same manufacturer as of CT.  High speed link to operator console on DICOM network  System architecture and operating system  Dual Xeon /Quad Core processor (64bit)  2.66 GHz or more  12 GBRAM  1TB Hard Disk  Graphic card & Network card  Licensed Softwares: Windows 10 or Linux; MS Office. Norton antivirus (current and upgradeable).  Should have high resolution OLED/LED/ LCD type monitor or better of 19 inches or more  DVD writer / CDR  Embedded DICOM 3 Viewer with universal PC display capability (Licensed),  Laser black & white / Color printer. A4 size. 2400 dpi or higher. Two paper  trays for A4 / letter size media (HP/ Lexmark/ Xerox, Canon) Network ready.  UPS for workstations 3KVA with Dry Batteries 20 min back up time (Emerson, Liebert, Chloride, MGE)  **WORKSTATION SOFTWARE**  (Cardiac package on one workstation and remaining for others):  Latest Cardiovascular and whole body software versions will be provided by the vendors including reporting packages.  Software up-gradation of all existing application during the warranty period.  Following software should be provided for all workstations.  3D reconstruction display  Maximum and minimum intensity projections  Multi-planar and curved planer reconstruction  3D Shaded Surface Display  3D Volume Rendering software  3D Virtual Endoscopy, colonoscopy, bronchoscopy (on all workstations).  2D and 3D Fluoroscopy  Dedicated software for Liver Imaging including volume rendering, liver segmentation and auto segmentation of arterial, venous, portal and biliary channels (on all work stations)  CT Angiography with dedicated Cardiac CT Angiography including pediatric and structural heart disease.  Advanced coronary vessel analysis  Calcium scoring with ECG gating and prospective &retrospective reconstruction.  Advanced Complete Cardiac package including functional analysis with automatic bone removal software.  Cardiac segmentation with complete cage removal.  Orthogonal Cross Reference View / Globe view (2D and 3D maps overly on Cardiac anatomy).  Angiography Emulation View / IVUS view for Vessel lumen inspection.  Complete coronary tree extraction and analysis.  Ventricular function assessment (ESV, EDV, CO, EF).  LV Function assessment.  Advanced Complete Cardiac package including functional analysis with automatic bone removal software.  Advanced Complete Neuro package with automatic bone removal software.  Advanced peripheral/general vessel analysis.  **Automated Brain Perfusion.**  o Providing functional information over the functionally significant are of the brain for stroke evaluation.  o Allows differentiating areas of increased blood volume and decreased blood flow and ability to distinguish still viable and non-viable infarcted tissue.  o Quantitative colour maps of cerebral blood flow (CBF), cerebral blood volume (CBV), mean transit time (MTT) and time to peak (TTP) allowing to decide between areas of for the brain that may benefit from reperfusion.  o Automated mirroline / centerline and selection of arterial and venous regions of interest.  **CT Lung density Assessment**  o Track and quantify diffuse lung disease including congenital lobar emphysema, destructive lung disease, pulmonary hypoplasia/agenesis, CCAM and laryngomalacia etc.  o Nodule analysis program.  o Automated / single click segmentation of Right and left lung with display of volume rendered and MPR view to destruction for accurate quantification and reporting with picture print.  Allows pre surgical planning through lungs field areas and lungs field volumes  Fusion software for Correlative imaging between CT and SPECT/MRI data.  DICOM 3 ready (multi-vendor and multi-modality compatible) for Send, Receive. Archive, Retrieve and Print, on main console and workstations.  UPS 3 KVA (x 03), Branded, dry battery capable of providing 20 minutes of back-up for workstations (MG, APC, MC, Chloride, Riello, Emerson). The dry batteries will be included in company warranty.  DICOM  DICOM 3 ready (multi-vendor and multimodality compatible for send, receive, achieve, retrieve and print, on main console and workstations).  **UPGRADE-ABILITY**  All vendors will quote their latest and best system.  The system should have a software upgrade route to higher versions with undertaking of above two by the principal manufacturer, that is their latest version been used in USA/EU & Japan.  **POWER REQUIREMENT**  Three-phase with line voltage of 220 V, 50 Hz  **ACCESSORIES:** (Procuring agency to select as per its actual requirement)  - UPS 3KVA (x 03), Branded, with dry battery, capable of providing 20 minutes of back-up for workstation. (MGE, APC, Chloride, Riello, Emerson). The dry batteries will be included in company warranty.  - Four Desktops Intel Core i7 processor, 8 GB RAM, 1 TB Hard Disk, CD/ DVD writer, dedicated graphic card, 21-22” display, Microsoft Windows latest with Microsoft office and Antivirus software having latest inbuilt Wi-Fi and Bluetooth technology. CT viewer or equivalent software capable of displaying full resolution images in any rendering mode.  - Laser Printer (Qty x 04) with Wi-Fi connectivity , capable of printing on different media of A4 /letter size , 3600 image quality or more (HP, Lexmark, Xerox), Two paper trays, 20 ppm, network ready including 20 packs of photo paper.  - Programmable, dual head power injector with flow/volume and temperature control (Qty x 02).  - Mounted on mobile base, with 500 syringes of 150 ml capacity and connecting tubes (Medrad, Medtron / Mallen, Nemoto).  - DICOM 3 ready dry laser camera / imager, Multi-size up to 14 x17 in. (Agfa, Fuji, Kodak/ Care stream, Konica) for black and white printing on films including 5000 films.  - Film Viewer ( x 08 ) for images up to 14 x 17 inch with variable light control and shutters for control of viewing area, with 04 x 1 format MEDICANVAS, MAVIA  - On-line sine wave UPS for whole CT suite, with a minimum back-up time of 30 minute on full load including air-conditioning system.  - Air conditioners Two Ton each for UPS room office and waiting area lights/fans etc.  - Power Generator (Capacity is to be defined by Procuring Agency). Including ATS panel, Sound Proof Canopy, Foundation Pads, Earthling and cabling (Perkins, Caterpillar, Cummins, Siemens).  - Provision of storage aluminum racks, aluminum doors with elbow action controls, paneling, lead lining, flooring, paints etc. Oxygen and suction system connection with the existing hospital pipeline.  - Civil works, Provision of furniture (benches, LCD TV, water dispensers etc) of CT waiting area. Complete electricity works from power station to CT room including earthling, power racks, breakers, DB etc.  - Independent Transformer (200KVA or more) is to be provided by the supplier. Procuring agency would facilitate with the documentation.  - Civil works of CT reporting room for doctors as per requirement of the procuring agency (including flooring, air-conditioning etc) with all the necessary furniture, latest computer systems and network ready printers (Qty x 03 at least).  - 4MP HD iP CCTV cameras with complete accessories and installation (Qty x 08 Cameras).  **Protection devices:**  a) Lead aprons with hangers. (Qty x 02)  b) Lead-gloves (Qty x 02)  c) Lead goggles (Qty x 02)  d) Thyroid Shields all 0.5 mm lead equivalent European & Japanese.  e) Lead glass for control room 8 x4 feet, 0.5 mm Pb equivalent.  - Standard set of Phantoms for calibration of CT  - Pediatric scanning package.  - Cardiac defibrillator.  - Dedicated Cardiac Monitor for synchronize with cardiac scan.  - Pulse oxy-meter.  - ECG machine, multichannel (three channel)  - Emergency Resuscitation trolley completely equipped with all necessary items.  **TABLE ACCESSORIES** – Table pads, arms rest, patient restraint kit, IV pole, infant cradle, flat head holder, (original accessories from the vendor), Digital Transcription system for reporting ( hand held units – x 03, and Complete steno-type desktops unit ( x 02 ).  OPTIONAL:  Extended FOV (as per requirement of the procuring agency)  Artificial Intelligence deep learning reconstruction system for Ultrahigh Resolution.  **SITE RENOVATION/SITE CONSTRUCTION:**  Renovation of the waiting area, departmental lobby, workstation room, CT Information Counter, Nursing room, CT Scan room, Control room and UPS room. Renovation includes any alteration in the existing structure if required, Air-conditioning, flooring (Antistatic), False Ceiling, furniture (waiting area, workstations and office). 54’’ LED for reception area, 44’’ LED for the workstation room. Scanner with photocopy facility.  Lead Lining of CT room and doors as per radiation protection requirement of PNRA, will be done by the supplier of the CT scan.  The Renovation work and installation of CT Scan will be a turnkey project and if there is any additional requirement vendor will be responsible for it and will hand over the CT suite in a complete functional state.  Vendor will be responsible for Required Transformer, DB, Earthing for CT, UPS and Diesel Generator, Main Switch board, DB for CT and complete electrical wiring including main cable from Transformer to the Machine.  **Note:** (Procuring agency to specify, if required)  The firms may additionally quote advanced available applications / packages / Software’s for neuro, vascular / angiography, oncology, brain etc. separately as optional (which will not form the basis of acceptance / rejection)  **WARRANTY**  05- Years Manufacturer's comprehensive warranty of the unit along with other third party items will be provided including service and spare parts for components of the system.  **POST WARRANTY SERVICE MAINTENANCE CONTRACT**  A fixed value of 06.5% of the C & F value will be the cost of the Comprehensive Service Maintenance Contract after expiry of the warranty period. Contract will include service, parts (including consumable items like X-Ray tube etc) for the next 05 years.  **REMOTE SERVICES**  The firms will provide the remote service connectivity through modem with manufacturer’s remote service center.  The firms will also provide the connectivity/license to share the global resources for information, images, clinical protocols and research purposes and remained valid till the life of the machine. | |
| **Accessories**: Complete with standard accessories, software, Operating manual, Services manual, error code book, part list and software if any. | |
| **Warranty** :  Five year with all spare parts, during warranty period firm should maintain equipments and perform quarterly PPM. If any spare part required during installation or PPM will be responsibility of the firm. Firm must send annual PPM schedule with installation report. Principle recommended software’s (hard copy) will be handed over to end user. (during and after warranty) Complete installation, lifting, civil and all electric work from DB, is total responsibility of supplier. | |