

**GHULAM MUHAMMAD MAHAR
MEDICAL COLLEGE HOSPITAL,
SUKKUR**

**Tender for Purchase of
MRI System**

MS/GMCHS/SUKKUR/14184/90/2015-16

Due on: 01-12-2015

Med. Officer
GMC Sukkur
Resident
Sukkur



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Acronyms

BDS	Bid Data Sheet
CIF	Cost, Insurance and Freight
CIP	Carriage and Insurance Paid to (<i>place</i>)
CPM	Critical Path Method
EDI	Electronic Data Interchange
ENAA	Engineering Advancement Association of Japan
EXW	Ex factory, ex works or ex warehouse
FCA	Free Carrier
FIDIC	Fédération Internationale des Ingénieurs Conseils (International Federation of Consulting Engineers)
FOB	Free on Board
GCC	General Conditions of Contract
IBRD	International Bank for Reconstruction and Development
ICC	International Chamber of Commerce
IDA	International Development Association
IFB	Invitation for Bids
ITB	Instructions to Bidders
SBD	Standard Bidding Document
SCC	Special Conditions of Contract
TS	Technical Specifications and Drawings
UNCITRAL	United Nations Commission on International Trade Law
LC	Letter of Credit



Section I. Invitation for Bids

Islamic Republic of Pakistan

Name of Project: Provision of MRI System at Ghulam Muhammad Mahar Medical College Hospital Sukkur for the year 2015-16.

1. This invitation for bids follows the general procurement notice for this project that appeared in newspapers and on Sindh Government website.
2. The Medical Superintendent, Ghulam Muhammad Mahar Medical College Hospital, Sukkur invites sealed bids from eligible bidders for Provision of MRI System alongwith all accessories and fittings.
3. Bidding will be conducted under SPP Rule 2010 clause 46(2). Bidding procedures specified in this document is open to all eligible bidders.
4. Interested eligible bidders may obtain further information from the office of the undersigned and from Office of the Medical Superintendent Ghulam Muhammad Mahar Medical College Hospital, Sukkur.
5. A complete set of bidding documents may be purchased by interested bidders on the submission of a written application to the address below and also from P&MI Cell, Health Department, 3rd Floor, Tuglaq House, Sindh Secretariat, Karachi upon cash payment of a non-refundable fees of Rs. 2000/-.
6. Bids must be delivered to the address below up to 12:00 noon. All bids must be accompanied by a bid security / earnest Money @ 2 ½ % of the Total bid cost. Late bids will be rejected. Bids will be opened in the presence of the bidder's authorized representatives who choose to attend at the address below at 01:00 p.m.

Address:

Medical Superintendent
Ghulam Muhammad Mahar Medical College Hospital,
Sukkur
Ph: 071-9310213
Fax: 071-9310117



Section II. Instructions to Bidders

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Instructions to Bidders

A. Introduction

1. **Source of Fund**
 - 1.1 The Government of Sindh allocated funds for Provision of **MRI System** at Ghulam Muhammad Mahar Medical College Hospital Sukkur.
2. **Eligible Bidders**
 - 2.1 This Invitation for Bids is open to all original manufacturer / sole distributor in Pakistan for supply & installation of MRI System..
 - 2.2 Bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices
3. **Eligible Plant, Equipment, and Services**
 - 3.1 For the purposes of these bidding documents, the words "facilities", "plant and equipment", "installation services", etc., shall be construed in accordance with the respective definitions given to them in the General Conditions of Contract.
 - 3.2 The Bidder shall sign the integrity pact attached as annexure.
4. **Cost of Bidding**
 - 4.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

B. The Bidding Documents

5. **Content of Bidding Documents**
 - 5.1 The facilities required, bidding procedures, contract terms and technical requirements are prescribed in the bidding documents. The bidding documents include the following sections:

Invitation for Bids (IFB)

Instructions to Bidders (ITB)

Bid Data Sheet (BDS)

General Conditions of Contract (GCC)

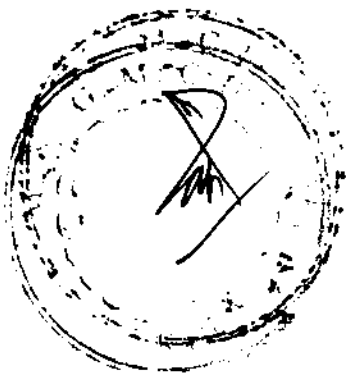
Special Conditions of Contract (SCC)

Schedule of Requirements (SR)

Technical Specifications (TS)

Forms and Procedures (FP)

1. Bid Form and Price Schedules
2. Bid Security Form
3. Form of Contract Agreement
4. Performance Security Forms
5. Form of Completion Certificate
6. Form of Operational Acceptance Certificate



5.2 The Bidder is expected to examine all instructions, forms, terms, specifications, and other information in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in rejection of its bid.

6. Clarification of Bidding Documents;

6.1 A prospective Bidder requiring any clarification of the bidding documents may notify the Purchaser at the Purchasers address indicated in the Invitation of Bids. At least ten days prior to deadline for submission of bids.

6.2 The Bidder is advised to visit and examine the site where the facilities are to be installed and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for supply and installation of the facilities. The costs of visiting the site shall be at the Bidder's own expense.

7. Amendment of Bidding Documents

7.1 At any time prior to the deadline for submission of bids, the Purchaser may, for any reason, whether at its own initiative, or in response to a clarification requested by a prospective Bidder, amend the bidding documents.

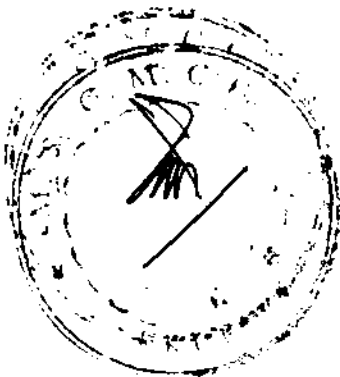
7.2 The amendment will be notified in writing to all prospective bidders that have purchased the bidding documents and will be binding on them. Bidders are required to immediately acknowledge receipt of any such amendment, and it will be assumed that the information contained therein will have been taken into account by the Bidder in its bid.

7.3 In order to afford prospective Bidders reasonable time in which to take the amendment into account in preparing their bid, the Purchaser may, at its discretion, extend the deadline for the submission of bids, in which case, the Purchaser will notify all bidders in writing of the extended deadline.

C. Preparation of Bids

8. Language of Bid

8.1 The bid prepared by the Bidder and all correspondence and documents related to the bid exchanged by the Bidder and the Purchaser shall be written in English. Supporting documents and printed literature furnished by the Bidder may be written in another language, as long as such literature is accompanied by a translation of its pertinent passages in the language specified in the Bid Data Sheet, in which case, for purposes of interpretation of the bid, the translation shall govern.



**9. Documents
Comprising
the Bid**

9.1 The bid prepared by the Bidder shall comprise the following documents:

- (a) Bid Form duly completed and signed by the Bidder, together with all Attachments identified in ITB Sub-Clause 9.2 below.
- (b) Price Schedules duly completed by the Bidder.

9.2 Each Bidder shall submit with its bid the following attachments:

(a) Attachment 1: Bid Security

A bid security furnished in accordance with ITB Clause 13.

(b) Attachment 2: Power of Attorney

A power of attorney, duly notarized, indicating that the person(s) signing the bid has(ve) the authority to sign the bid and thus that the bid is binding upon the Bidder during the full period of its validity in accordance with ITB Clause 14.

(c) Attachment 3: Bidder's Eligibility and Qualifications

The documentary evidence of the Bidder's qualifications to perform the contract, if its bid accepted, shall establish to the Purchaser's satisfaction that the Bidder has the financial, technical, production, procurement, shipping, installation and other capabilities necessary to perform the contract, and in particular, meets the experience and other criteria outlined in the Bid Data Sheet.

(d) Attachment 4: Eligibility and Conformity of the Facilities

1. The bidder shall furnish the all-original equipment manufacture (OEM) certificate of equipment supplied/ offered and a certificate that the machine / equipment being used in the country of origin.
2. The documentary evidence of the conformity of the facilities to the bidding documents may be in the form of literature, drawings and data, and shall furnish
 - (i) a detailed description of the essential technical and performance characteristics of the facilities;
 - (ii) a list giving full particulars, including available sources, of all spare parts, special tools, etc., necessary for the proper and continuing functioning of the facilities for the period named in the Bid Data Sheet, following completion of facilities in accordance with provisions of contract.



- (e) Attachment 5: Subcontractors Proposed by the Bidder
The Bidder shall include in its bid details of all major items of supply or services that it proposes to purchase or sublet, and shall give details of the name and nationality of the proposed Subcontractor, including vendors, for each of those items. Bidders are free to list more than one Subcontractor against civil works of the facilities. Quoted rates and prices will be deemed to apply to whichever Subcontractor is appointed, and no adjustment of the rates and prices will be permitted.

The Purchaser reserves the right to delete any proposed Subcontractor from the list prior to award of contract, and after discussion between the Purchaser and the Contractor.

- (f) Attachment 6: Tender Purchase Receipt
- a. The original tender purchase receipt issued by the purchaser should be attached along with Technical bid.
 - b. Bidders shall purchase separate tender document and furnish purchase receipts for alternate offer, in case they want to submit alternate offer. Any item's bid with alternate offers with out separate purchase receipt (Original) is supposed to be rejected.

10. Bid Form and Price Schedules 10.1 The Bidder shall complete the Bid Form and the appropriate Price Schedules furnished in the bidding documents as indicated therein and in the Subsection "Bid Form and Price Schedules" of the bidding documents, following the requirements of ITB Clauses 11 and 12.

11. Bid Prices 11.1 Unless otherwise specified in the Technical Specifications, bidders shall quote for the entire facilities on a "Turnkey projects" basis such that the total bid price covers all the Contractor's obligations mentioned in or to be reasonably inferred from the bidding documents in respect of the procurement, delivery, installation and commissioning of the machines. This includes all requirements under the Contractor's responsibilities for Inspection, Training & commissioning of the facilities and, where so required by the bidding documents, the acquisition of all permits, approvals and licenses, etc.; the operation, maintenance and training services and such other items and services as may be specified in the bidding documents, all in accordance with the requirements of the General Conditions of Contract. Items against which no price is entered by the



Bidder will not be paid for by the Purchaser when executed and shall be deemed to be covered by the prices for other items.

11.2 Bidders shall give the prices in the following manner and detail called for in the Price Schedules.

Separate numbered Schedules shall be used for each of the following elements. The total amount from each Schedule (1 to 4) shall be summarized in a Grand Summary (Schedule 5) giving the total bid price(s) to be entered in the Bid Form.

- Schedule No. 1 Plant and Equipment Supplied from Abroad
- Schedule No. 2 Plant and Equipment Supplied from within the Purchaser's Country
- Schedule No. 3 Local Transportation
- Schedule No. 4 Installation Services (Electrical works and other services)
- Schedule No. 5 Grand Summary

11.3 The prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.

12. Bid Currencies
13. Bid Security

12.1 Prices shall be quoted in Pak currency and US dollars

13.1 The Bidder shall furnish, as part of its bid, a bid security in the amount stipulated in the Bid Data Sheet in the currency of Pakistan, or in the equivalent amount in a freely convertible currency.

13.2 The bid security shall, at the Bidder's option, be in the form of a pay order, bank draft /or bank guarantee from a reputable entity located in the country. The format of the bank guarantee shall be in accordance with the form of bid security included in the bidding documents; Bid security shall remain valid for a period of thirty (30) days beyond the original bid validity period, and beyond any extension subsequently requested under ITB Sub-Clause 14.2.

13.3 Any bid not accompanied by an acceptable bid security shall be rejected as being non-responsive.

13.4 The bid securities of unsuccessful bidders will be returned as promptly as possible, but not later than thirty (30) days after the expiration of the bid validity period.

13.5 The bid security of the successful Bidder will be returned



when the Bidder has signed the Contract Agreement, and has furnished the required performance security.

- 13.6 The bid security may be forfeited
- (a) if the Bidder withdraws its bid during the period of bid validity specified by the Bidder in the Bid Form
 - (b) in the case of a successful Bidder, if the Bidder fails to supply within the specified time limit
 - (i) to sign the Contract Agreement, in accordance with ITB Clause 31, or
 - (ii) to furnish the required performance security, in accordance with ITB Clause 32.

14. Period of Validity of Bid

14.1 Bids shall remain valid for the period of three (03) month named in the Bid Data Sheet after the closing date prescribed by the Purchaser for the receipt of bids. A bid valid for a shorter period shall be rejected by the Purchaser as being non-responsive.

14.2 In exceptional circumstance, the Purchaser may solicit the Bidder's consent to an extension of the bid validity period. The request and responses thereto shall be made in writing. If a Bidder accepts to prolong the period of validity, the bid security shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required or permitted to modify its bid.

15. Format and Signing of Bid

15.1 The Bidder shall prepare bid comprise one single envelop containing separately financial proposal and technical proposal in original. The Envelop shall be marked as "FINANCIAL PROPOSAL" and "TECHNICAL PROPOSAL" in bold and legible letter to avoid confusion.

15.2 The financial and technical bids, each consisting of the documents listed in ITB Sub-Clause 9.1, shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the contract. The letter of authorization shall be indicated by written power of attorney, accompanying the bid and submitted as Attachment 2 to the Bid under ITB Sub-Clause 9.2. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid.

15.3 The bid shall contain no alterations, omissions, or additions, unless such corrections are initialed by the person or persons signing the bid.



16. Sealing and Marking of

D. Submission of Bids

16.1 The Bidder shall seal the technical and financial bids in separate envelopes, duly marking the envelopes as

Bids

“FINANCIAL PROPOSAL” and “TECHNICAL PROPOSAL”. The envelopes shall then be sealed in an outer envelope.

- 16.2 The inner and outer envelopes shall
- (a) be addressed to the Purchaser at the address given in the Bid Data Sheet, and
 - (b) bears the contract for name indicated in the Bid Data Sheet, the Invitation for Bids title and number indicated in the Bid Data Sheet, and the statement “DO NOT OPEN BEFORE _____”.

16.3 The inner envelopes shall also indicate the name and address of the Bidder so that the bid can be returned unopened in case it is declared “late.”

16.4 If the outer envelope is not sealed and marked as required by ITB Sub-Clause 16.2 above, the Purchaser due to any reason will assume no responsibility for the bid’s misplacement or premature opening.

16.5 In Technical Proposal the bidder must provide the original Data sheet and Technical brochure, Income Tax, Sales Tax, Sole Agency certificate and other documents, otherwise the bid will be ignored

16.6 In Financial Proposal, the bidder should provide bid security / earnest money at the rate of 2.5% of the quoted value. A photocopy of the same should be attached with Technical Proposal but its value must not be disclosed and this can be achieved by placing a piece of paper on the place where amount is mentioned.

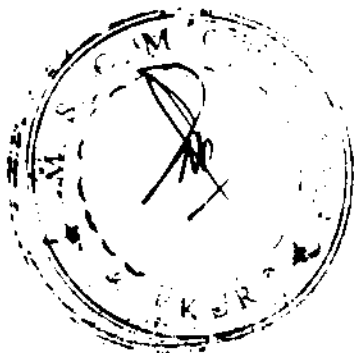
17. Deadline for Submission of Bids

17.1 Bids must be received by the Purchaser at the address specified under ITB Sub-Clause 16.2 no later than the time and date stated in the invitation of bids.

17.2 The Purchaser may, at its discretion, extend this deadline for submission of bids.

18. Late Bids

18.1 Any bid received by the Purchaser after the bid submission deadline prescribed by the Purchaser, will be rejected and returned unopened to the Bidder.



19. Modification and Withdrawal of Bids

- 19.1 The Bidder may withdraw its bid after submission, prior to the deadline prescribed for bid submission.
- 19.2 No bid may be withdrawn in the interval between the bid submission deadline and the expiration of the bid validity period specified. Withdrawal of a bid during this interval may result in the Bidder's forfeiture of its bid security.

E. Bid Opening and Evaluation

20. Opening of Bids by Purchaser

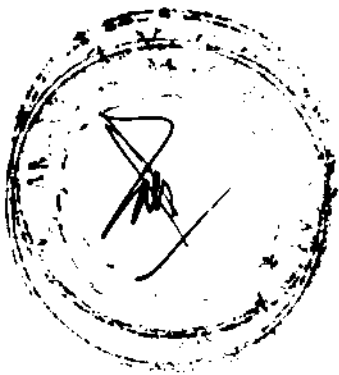
- 20.1 The Purchaser will open all bids, in the presence of authorized bidders' representatives who choose to attend, at the time, on the date and the place specified in the Invitation of Bids. The bidders' representatives who are present shall sign the Attendance Sheet evidencing their attendance.
- 20.2 The bidders' names, and the presence or absence of bid security, and any such other details as the Purchaser at its discretion, may consider appropriate will be announced at the opening. No bid shall be rejected at bid opening, except for late bids, which shall be returned unopened to the Bidder.
- 20.3 The Purchaser will prepare minutes of the bid opening.
- 20.4 The bids found having without Bid security (earnest money) will also be returned the bidders. However, prior to return to the bidder, the chairman of the purchase committee will record statement /reason on such bids. Bids that are not opened and read out / announced at bid opening shall not be considered further for evaluation, irrespective of the circumstances.

21. Clarification of Bids

- 21.1 During bid evaluation, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing.

22. Preliminary Examination of Bids

- 22.1 The Purchaser will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required securities have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- 22.2 Bids shall be submitted either by the manufacturer or its authorized contractor, if submitted by the manufacturer itself then bid of authorized contractor will be rejected.
- 22.3 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price, which is obtained by multiplying the unit price and



quantity, or between subtotals and the total price, the unit or subtotal price shall prevail, and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail. If the Bidder does not accept the correction of errors, its bid will be rejected.

22.4 Prior to the detailed evaluation, the Purchaser will determine whether each bid is of acceptable quality, is complete and is substantially responsive to the bidding documents. For purposes of this determination, a substantially responsive bid is one that conforms to all the terms, conditions and specifications of the bidding documents without material deviations, objections, conditions or reservations. A material deviation, objection, conditionality or reservation is one (i) that affects in any substantial way the scope, quality or performance of the contract; (ii) that limits in any substantial way, inconsistent with the bidding documents, the Purchaser's rights or the successful Bidder's obligations under the contract; or (iii) whose rectification would unfairly affect the competitive position of other bidders who are presenting substantially responsive bids.

22.5 Conditional bid(s) will not be entertained.

23. Conversion to Single Currency

23.1 To facilitate evaluation and comparison, the Purchaser will convert all bid prices expressed in the amounts in to

- (a) Currency of Pakistan at the selling exchange rate established for similar transactions by the central bank or by a commercial bank in Pakistan.

24. Technical Evaluation

24.1 The Purchaser will carry out a detailed evaluation of the bids in order to determine whether the technical aspects are in accordance with the requirements set forth in the bidding documents on the basis of the information supplied by the bidders, taking into account the following factors:

- (a) Overall completeness and compliance with the Technical Specifications.
- (b) Type, quantity and long-term availability of mandatory and recommended spare parts and maintenance services
- (c) Any other relevant factors, if any, listed in the Bid Data Sheet, or that the Purchaser deems necessary or prudent to take into consideration.

25. Financial Evaluation

25.1 Pursuant to ITB Sub-Clause, the following evaluation methods will be followed:

- (a) *Time schedule (program of performance)*



evaluated bid. further provided that the Bidder is determined to be qualified to perform the contract satisfactorily.

29. Purchaser's Right to Accept Any Bid and to Reject Any or All Bids

29.1 Under relevant provisions of SPP Rules the Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of contract without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Purchaser's action.

30. Notification of Award

30.1 Prior to the expiration of the period of bid validity, the Purchaser will notify the successful Bidder in writing by registered letter that its bid has been accepted. The notification of award will constitute the formation of the contract.

30.2 Upon the successful Bidder's furnishing of the performance security the Purchaser will promptly notify each unsuccessful Bidder and will discharge its bid security.

31. Signing the Contract Agreement

31.1 At the same time as the Purchaser notifies the successful Bidder that its bid has been accepted, the Purchaser will send the Bidder the Contract Agreement provided in the bidding documents, incorporating all agreements between the parties.

31.2 Within fifteen (15) days of receipt of the Contract Agreement, the successful Bidder shall sign the Contract Agreement and return it to the Purchaser.

32. Performance Security

32.1 Within fifteen (15) days after receipt of the notification of award, the successful Bidder shall furnish the performance security in the amount given in the Bid Data Sheet.

32.2 Failure of the successful Bidder to comply with the requirements of ITB Clause 32 or Clause 33 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Purchaser may make the award to the next lowest evaluated Bidder or call for new bids.

33. Corrupt or Fraudulent Practices

33.1 The Purchaser as well as bidders/Suppliers/Contractors observes the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Purchaser

(a) defines, for the purposes of this provision, the terms set forth below as follows:

(i) "corrupt practice" means the offering, giving,



The plant and equipment covered by this bidding are required to be shipped and installed, and the facilities shall have the pre-commissioning completed within the period named in the Bid Data Sheet after the effective date specified in the Form of Contract Agreement. Bids offering a completion date beyond the maximum designated period shall be rejected.

**26. Contacting
the Purchaser**

- 26.1 From the time of bid opening to the time of contract award, if any Bidder wishes to contact the Purchaser on any matter related to its bid, it should do so in writing.
- 26.2 Any effort by a Bidder to influence the Purchaser in the Purchaser's bid evaluation, bid comparison or contract award decisions may result in rejection of the Bidder's bid.

F. Award of Contract

**27. Post-
qualification**

- 27.1 In the absence of pre-qualification, the Purchaser will determine to its satisfaction whether the Bidder selected as having submitted the lowest evaluated responsive bid is qualified to satisfactorily perform the contract.
- 27.2 The determination will take into account the Bidder's financial, technical and production capabilities, in particular Bidder's contract work in hand, future commitments and current litigation. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder in Attachment 3 to the bid, as well as such other information as the Purchaser deems necessary and appropriate.
- 27.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Purchaser will proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

- 27.4 The Purchaser, at any stage of the procurement proceedings, having credible reasons for or prima facie evidence of any defect in capacities, may require the bidder to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not.
- 27.5 The Purchaser, will disqualify a bidder if it finds, at any time that the information submitted by him concerning his qualification was false and materially inaccurate or incomplete.

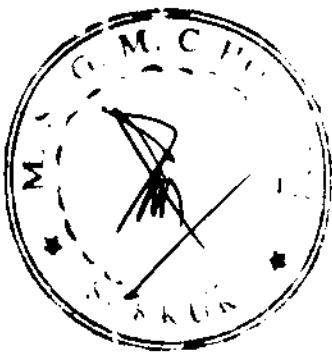
- 28.1 Subject to ITB Clause 29, the Purchaser will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and to be the lowest



**28. Award
Criteria**

receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and

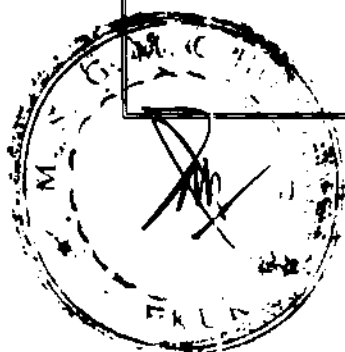
- (ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition;
- (b) will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
- (b) will cancel the proposal and recover from the successful Bidders the amount of any loss resulting from such cancellation if the successful Bidder and person employed by the successful Bidder or acting on its behalf, offer or gives to any person any gift or consideration of any kind as an inducement or reward for doing, or forbearing to do, any action in the relation to obtaining or in the execution of the concession or any other contract with the purchaser if it at any time determine that the Bidder has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices.



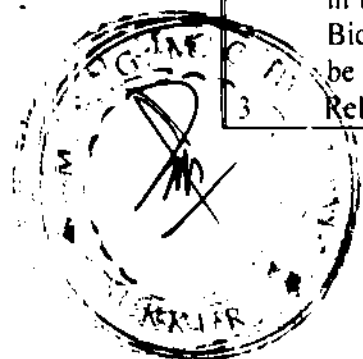
Section III. Bid Data Sheet

The following bid-specific data for the plant and equipment to be procured shall amend and/or supplement the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in the ITB.

INTRODUCTION	
ITB 1.1	The Medical Superintendent, Ghulam Muhammad Mahar Medical College, Sukkur.
ITB 1.1	Name of Project: Provision of MRI System at Ghulam Muhammad Mahar Medical College Hospital Sukkur.
ITB 2.1	Name of Contractor _____ _____
ITB 2.1	Name of Purchaser: The Medical Superintendent, Ghulam Muhammad Mahar Medical College Hospital, Sukkur
ITB 6.1	Address of Purchaser; telephone, telex and facsimile numbers The Medical Superintendent, Ghulam Muhammad Mahar Medical College Hospital, Sukkur
ITB 8.1	Language of bid is English
ITB 9.2 (c)	<p>Qualification requirements for bidders</p> <p>Size of operation The Bidder has an average annual turn over RS. 100.00 Millions Turnover in Pak rupees (defined as total payment received by the Supplier for the contracts completed or under execution) over the three (03) years period through out world.</p> <p>Technical Experience:</p> <ul style="list-style-type: none"> ➤ For at least last three years minimum of 20 units of similar capacity equipment has been sold in Pakistan / throughout the world. ➤ Department reserves right to inspect/visit the locations of quoted machinery/equipments installed in Pakistan and Sindh <p>Financial Position Soundness of the Bidder's financial position showing long-term profitability demonstrated through audited annual financial statement (balance sheet, income statement) for the last three (03) year.</p>



	<p>Technical Staff / Workshop The bidder shall furnish certificate from the sole agent / manufacturer that the contractor has fully equipped workshop along with list of trained personnel / Engineers and equipments with the technical bid, same can be physically verified by the purchase committee at any time furnish complete details of trained engineer / Technical staff and well equipped work shop located in Pakistan especially at Sindh province for after sale & service conformation</p> <p>Litigation History. The Bidder's should not be involved in any litigation with the Government / semi Government in Pakistan.</p>
ITB 9.2 (d) (i)	Spares required for operation; number of years following completion
BID PRICE AND CURRENCY	
ITB 11.3	The price shall be fixed
ITB 12.1	ITB Sub-Clause 12.1 shall apply to all plant and equipment and all service referred.
BID PREPARATION AND SUBMISSION	
ITB 13.1	Amount of bid security Equivalent to 2 ¹ / ₂ % of the total value of bid.
ITB 14.1	Bid validity period 90 days from the date of bid opening
ITB 15.1	Original "Financial and Technical" Proposal.
ITB 17.1	Address of bid submission "as above" Deadline for bid submission 01-12-2015 upto 12:00 noon.
ITB 20.1	Location, time and date of bid opening In the Office of the Medical Superintendent, Ghulam Muhammad Mahar Medical College, Sukkur: 01-12-2015, at 01.00 p.m.
BID EVALUATION CRITERIA	
1	Earnest money submission.
2	Compliance of terms and conditions, required documents / information as described in the Instructions of bidders. General and special conditions of the bid document. Bidder must qualify the bid evaluation. Only qualified bid evaluation bidders will be evaluated technically.
3	Relevant Experience and past performance of manufacturer / sole distributor in



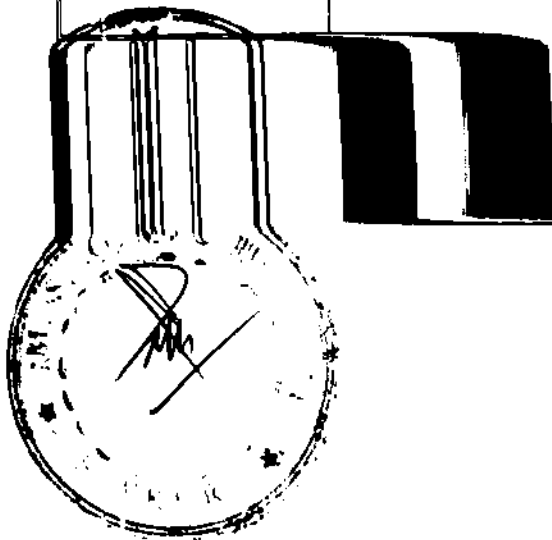
4	terms of supply & after sale service.
5	After sale service facility with availability of work shop, Technical staff, Tools and spare parts.
6	Authority letter from manufacturer with validity period not less than two years.
7	Submission of original Catalogue with complete mailing address of the company, telephone / Fax Nos. and Web site for each quoted item.
8	Technical evaluations as per tender specification.
9	Operational cost of equipment.
10	Delivery schedule.
	Evaluation of quoted price.

CURRENCY

ITB 23.1	<p>Currency chosen for the purpose of converting to a common currency Pak Rupees</p> <p>Date of Exchange Rate: The original deadline for receiving of Bid.</p>
ITB 24.1 (c)	<p>Optional: The following additional criteria will be used in the evaluation in the manner stated and to the extent indicated in the Bid Data Sheet.</p> <p>As mentioned at Technical Specifications</p>
ITB 25.1 (a)	<p>Time schedule</p> <p>Time to complete the facilities from the effective date specified in Article 3 of the Contract Agreement for determining time for completion of pre commissioning activities shall be three (03) months maximum. The adjustment rate in the event of completion beyond the maximum period shall be 0.5% for each week of delay from that maximum period.</p>

CONTRACT AWARD

ITB 32	Amount of performance security 10% of the total contract price in the form of Bank guarantee or Pay order / Bank draft.
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Section IV. General Conditions of Contract

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General Conditions of Contract

1. Definitions

A. Contract and Interpretation

1.1 The following words and expressions shall have the meanings hereby assigned to them:

“Contract” means the Contract Agreement entered into between the Purchaser and the Contractor, together with the Contract Documents referred to therein; they shall constitute the Contract, and the term “the Contract” shall in all such documents be construed accordingly.

“GCC” means the General Conditions of Contract hereof.

“SCC” means the Special Conditions of Contract.

“Day” means calendar day

“Month” means calendar month

“Purchaser” means the person named as such in the SCC.

“Contractor” means the person(s) whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Contract Agreement, and includes the legal successors or permitted assigns of the Contractor.

“Contract Price” means the sum specified in the Contract Agreement, as may be made pursuant to the Contract.

“Facilities” means the Plant and Equipment to be supplied and installed, as well as all the Installation Services to be carried out by the Contractor under the Contract.

“Plant and Equipment” means permanent plant, equipment, machinery, apparatus, articles and things of all kinds to be provided and incorporated in the Facilities by the Contractor under the Contract

“Installation Services” means all those services ancillary to the supply of the Plant and Equipment for the Facilities, to be provided by the Contractor under the Contract; e.g. transportation and provision of marine or other similar insurance, inspection, expediting, site preparation works (including the provision and use of Contractor’s Equipment and the supply of all construction materials required), installation, testing, pre-commissioning, commissioning, operations, maintenance, the provision of operations and maintenance manuals, training, etc.



“Country of Origin” means the countries and territories eligible under the rules

“Site” means the land and other places upon which the Facilities are to be installed, and such other land or places as may be specified in the Contract as forming part of the Site.

“Time for Completion” means the time within which Completion of the Facilities as a whole is to be attained in accordance with the specifications in the SCC and the relevant provisions of the Contract.

“Completion” means that the Facilities have been completed operationally and structurally and put in a tight and clean condition, and that all work in respect of Pre-commissioning of the Facilities or such specific part thereof has been completed; in other words, that the Facilities or specific part thereof are ready for Commissioning.

“Pre-commissioning” means the testing, checking and other requirements specified in the Technical Specifications that are to be carried out by the Contractor in preparation for Commissioning.

“Commissioning” means operation of the Facilities which operation is to be carried out by the Contractor

2. Contract Documents

2.1 All documents forming part of the Contract (and all parts thereof) are intended to be correlative, complementary and mutually explanatory. The Contract shall be read as a whole.

3. Interpretation

3.1 Language

3.1.1 All Contract Documents, all correspondence and communications to be given, and all other documentation to be prepared and supplied under the Contract shall be written in English.

3.1.2 If any of the Contract Documents, correspondence or communications are prepared in any language other than the governing language under GCC Sub-Clause 3.1.1 above, the English translation of such documents, correspondence or communications shall prevail in matters of interpretation.

3.2 Headings

The headings and marginal notes in the General Conditions of Contract are included for ease of reference, and shall neither constitute a part of the Contract nor affect its interpretation.



3.3 Persons

Words importing persons or parties shall include firms, corporations, and government entities.

3.4 Amendment

No amendment or other variation of the Contract shall be effective.

3.5 Independent Contractor

The Contractor shall be an independent contractor performing the Contract. The Contract does not create any agency, partnership, joint venture or other joint relationship between the parties hereto.

Subject to the provisions of the Contract, the Contractor shall be solely responsible for the manner in which the Contract is performed

3.6 Country of Origin

"Origin" means the place where the materials, equipment and other supplies for the Facilities are mined, grown, produced or manufactured, and from which the services are provided.

4. Notices

4.1 Unless otherwise stated in the Contract, all notices to be given under the Contract shall be in writing, and shall be sent by personal delivery, airmail post, special courier, telegraph, telex, facsimile to the address of the relevant party set out in the SCC, with the following provisions:

4.1.1 Any notice sent by telegraph, telex, facsimile shall be confirmed within two (2) days after dispatch by notice sent by airmail post or special courier, except as otherwise specified in the Contract.

4.1.2 Any notice sent by airmail post or special courier shall be deemed (in the absence of evidence of earlier receipt) to have been delivered ten (10) days after dispatch. In proving the fact of dispatch, it shall be sufficient to show that the envelope containing such notice was properly addressed, stamped and conveyed to the postal authorities or courier service for transmission by airmail or special courier.

4.1.3 Any notice delivered personally or sent by telegraph, telex, facsimile shall be deemed to have been delivered on date of its dispatch.

4.1.4 Either party may change its postal, telex, facsimile address or addressee for receipt of such notices by ten (10) days' notice to the other party in writing.

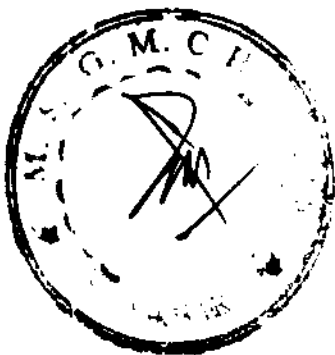


- 4.2 Notices shall be deemed to include any approvals, consents, instructions, orders and certificates to be given under the Contract.
5. **Governing Law** 5.1 The Contract shall be governed by and interpreted in accordance with laws of the country specified in the SCC.
6. **Settlement of Disputes** 6.1 Adjudicator
- 6.1.1 If any dispute of any kind whatsoever shall arise between the Purchaser and the Bidder in connection with or arising out of the Contract, including without prejudice to the generality of the foregoing, any question regarding its existence, validity or termination, or the execution of the Facilities whether during the progress of the Facilities or after their completion and whether before or after the termination, abandonment or breach of the Contract the parties shall seek to resolve any such dispute or difference by mutual consultation. If the parties fail to resolve such a dispute or difference by mutual consultation, then the dispute shall be referred in writing by either party to the Adjudicator, with a copy to the other party.
- 6.1.2 The Adjudicator shall give its decision in writing to both parties within twenty-eight (28) days of a dispute being referred to it.
- 6.2 If, after thirty (30) days from the commencement of such informal negotiation, the Purchaser and the supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred to the arbitrator for resolution through arbitration.
- 6.3 In case of any dispute concerning the interpretation and application of contract that shall be referred to the Law Department, Govt. of Sindh, who or his nominee shall act as sole arbitrator. The award rendered by the sole arbitrator shall be final and binding on the Parties

B. Subject Matter of Contract

7. Scope of Facilities

- 7.1 Unless otherwise expressly limited in the Technical Specifications, the Contractor's obligations cover the provision of all Plant and Equipment and the performance of all Installation Services, required for the design, the manufacture (including procurement, quality assurance, installation, Pre-commissioning and delivery) of the Plant and Equipment and the installation, completion and commissioning of the Facilities in accordance with the



plans, procedures, specifications, codes and any other documents as specified in the Technical Specifications.

7.2 The Contractor shall, unless specifically excluded in the Contract, perform all such work and/or supply all such items and materials not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Completion of the Facilities as if such work and/or items and materials were expressly mentioned in the Contract.

7.3 In addition to the supply of Mandatory Spare Parts included in the Contract, the Contractor agrees to supply spare parts required for the operation and maintenance of the Facilities for the period specified in the Special Conditions of Contract

8. Time for Commencement and Completion

8.1 The Contractor shall commence work on the Facilities within the period specified in the SCC and without prejudice to GCC Sub-Clause 22.2 hereof, the Contractor shall thereafter proceed with the Facilities in accordance with the time schedule specified.

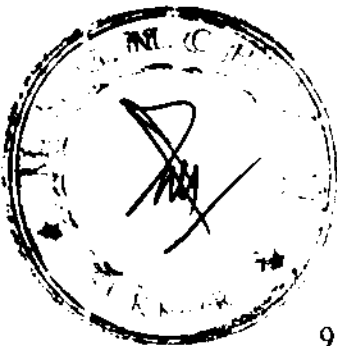
9. Contractor's Responsibilities

9.1 The Contractor shall design, manufacture (including associated purchases and/or subcontracting), install and complete the Facilities with due care and diligence in accordance with the Contract.

9.2 The Contractor confirms that it has entered into this Contract on the basis of a proper examination of the data relating to the Facilities provided by the Purchaser, and on the basis of information that the Contractor could have obtained from a visual inspection of the Site. The Contractor acknowledges that any failure to acquaint itself with all such data and information shall not relieve its responsibility for properly estimating the difficulty or cost of successfully performing the Facilities.

9.3 The Contractor shall acquire in its name all permits, approvals or licenses from all local, state or national government authorities or public service undertakings in the country where the Site is located that are necessary for the performance of the Contract, including, without limitation, visas for the Contractor's and Subcontractor's personnel and entry permits for all imported Equipment. The Contractor shall acquire all other permits, approvals and/or licenses that are not the responsibility of the Purchaser and that are necessary for the performance of the Contract.

9.4 The Contractor shall comply with all laws in force in the



country where the Facilities are installed and where the Installation Services are carried out. The laws will include all local, state, national or other laws that affect the performance of the Contract and bind upon the Contractor. The Contractor shall indemnify and hold harmless the Purchaser from and against any and all liabilities, damages, claims, fines, penalties and expenses of whatever nature arising or resulting from the violation of such laws by the Contractor or its personnel, including the Subcontractors and their personnel, but without prejudice to GCC Sub-Clause 10.1 hereof.

9.5 The manufacturer should provide an undertaking that if his authorized contractor fail to carryout any assignment in total or in part, manufacturer will be responsible to carryout the same.

10. Purchaser's Responsibilities

10.1 The Purchaser shall ensure the accuracy of all information and/or data to be supplied by the Purchaser to the Contractor.

10.2 The Purchaser shall be responsible for acquiring and providing legal and physical possession of the Site and access thereto, and for providing possession of and access to all other areas reasonably required for the proper execution of the Contract, including all requisite rights of way, as specified. The Purchaser shall give full possession of and accord all rights of access thereto on or before the date(s) specified.

10.3 If requested by the Contractor, the Purchaser shall use its best endeavors to assist the Contractor in obtaining in a timely and expeditious manner all permits, approvals and/or licenses necessary for the execution of the Contract from all local, state or national government authorities or public service undertakings that such authorities or undertakings require the Contractor or Subcontractors or the personnel of the Contractor or Subcontractors, as the case may be, to obtain.

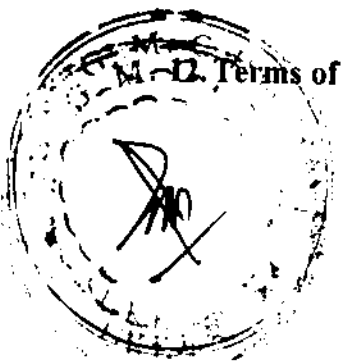
C. Payment

11. Contract Price

11.1 The Contract Price shall be as specified in Article 2 (Contract Price) of the Form of Contract Agreement.

11.2 Unless indicated otherwise in the SCC, the Contract Price shall be a firm lump sum not subject to any alteration, except in the event of a Change in the Facilities or as otherwise provided in the Contract.

12.1 The Contract Price shall be paid as specified in the Contract



Payment

Agreement. The procedures to be followed in making application for and processing payments shall be finalized at the time of Contract.

- 12.2 The currency or currencies in which payments are made to the Contractor under this Contract shall be specified in the Contract Agreement, subject to the general principle that payments will be made in the currency or currencies in which the Contract Price has been stated.

13. Securities

13.1 Issuance of Securities

The Contractor shall provide the securities specified below in favor of the Purchaser at the times, and in the amount, manner and form specified below.

13.2 Performance Security

13.2.1 The Contractor shall, within fifteen (15) days of the notification of contract award, provide a security for the due performance of the Contract in the amount specified in the SCC.

13.2.2 The security shall be denominated in the currency or currencies of the Contract, or in a freely convertible currency acceptable to the Purchaser, and shall be in one of the forms, pay order / bank draft or bank guarantees.

14. Taxes and Duties

14.1 Except as otherwise specifically provided in the Contract, the Contractor shall bear and pay all taxes, duties, levies and charges assessed on the Contractor, its Subcontractors or their employees by all municipal, state or national government authorities in connection with the Facilities in and outside of the country where the Site is located.

14.2 If any tax exemptions, reductions, allowances or privileges may be available to the Contractor in the country where the Site is located, the Purchaser shall use its best endeavors to enable the Contractor to benefit from any such tax savings to the maximum allowable extent.

14.3 For the purpose of the Contract, it is agreed that the Contract Price specified in Article 2 of the Form of Contract Agreement is based on the taxes, duties, levies and charges prevailing at the date of bid submission in the country where the Site is located. If any rates of Tax are increased or decreased, a new Tax is introduced, an existing Tax is abolished, or any change in interpretation or application of any Tax occurs in the course of the performance of Contract, which was or will be assessed on the Contractor.



E. Execution of the Facilities

15. Work Program

15.1 Work Procedures

The Contract shall be executed in accordance with the Contract Documents and procedures given in the section on Sample Forms and Procedures of the Contract Documents.

The Contractor may execute the Contract in accordance with its own standard project execution plans and procedures to the extent that they do not conflict with the provisions contained in the Contract.

16. Design and Engineering

16.1 Specifications

The Contractor shall execute the basic and detailed design and the engineering work in compliance with the provisions of the Contract, or where not so specified, in accordance with good engineering practice.

17. Procurement

17.1 Plant and Equipment

The Contractor shall transport all the Plant and Equipment from the manufacturers in an expeditious and orderly manner to the Site.

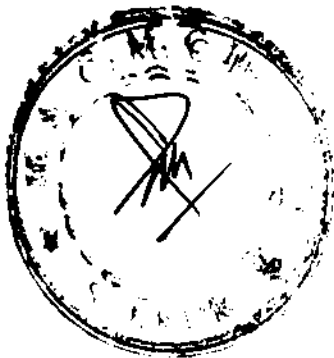
17.2 Transportation.

17.2.1 The Contractor shall at its own risk and expense transport all the Plant and Equipment to the Site by the mode of transport that the Contractor judges most suitable under all the circumstances.

17.2.2 Unless otherwise provided in the Contract, the Contractor shall be entitled to select any safe mode of transport to carry the Plant and Equipment.

17.2.3 Upon dispatch of each shipment of the Plant and Equipment, the Contractor shall notify the Purchaser by telex, facsimile of the description of the Plant and Equipment, the point and means of dispatch, and the estimated time and point of arrival in the country where the Site is located, if applicable, and at the Site. The Contractor shall furnish the Purchaser with relevant shipping documents to be agreed upon between the parties.

17.2.4 The Contractor shall be responsible for obtaining, if necessary, approvals from the authorities for transportation of the Plant and Equipment to the Site. The Purchaser shall use its best endeavors in a timely and expeditious manner to assist the Contractor in obtaining such approvals, if requested by the Contractor. The Contractor shall indemnify and hold harmless the Purchaser from and against any claim for



damage that may be caused by the transport of the Plant and Equipment to the Site.

17.3 Customs Clearance

The Contractor shall, at its own expense, handle all imported Plant and Equipment and Contractor's Equipment at the point(s) of import and shall handle any formalities for customs clearance.

18. Installation

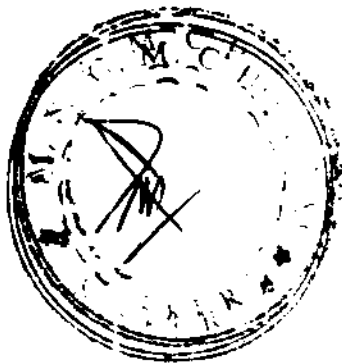
18.1 Setting Out/Supervision/Labor

18.1.1 *Bench Mark:* The Contractor shall be responsible for the true and proper setting-out of the Facilities in relation to benchmarks, reference marks and lines provided to it in writing by or on behalf of the Purchaser.

If, at any time during the progress of installation of the Facilities, any error shall appear in the position, level or alignment of the Facilities, the Contractor shall forthwith notify the Purchaser of such error and, at its own expense, immediately rectify such error to the reasonable satisfaction of Purchaser.

18.1.2 *Contractor's Supervision:* The Contractor shall give or provide all necessary superintendence during the installation of the Facilities, and the Construction Manager or its deputy shall be constantly on the Site to provide full-time superintendence of the installation. The Contractor shall provide and employ only technical personnel who are skilled and experienced in their respective callings and supervisory staff who are competent to adequately supervise the work at hand.

18.1.3 *Labor:* The Contractor shall provide & employ on the Site in the installation of the Facilities such skilled, semi-skilled and unskilled labor as is necessary for the proper and timely execution of the Contract.



19. Preliminary Inspection

19.1 The Purchaser or its representative shall have the right to preliminary inspection of the Plant & Machinery before shipment to confirm their conformity to the Contract specification

19.2 The inspection will be conducted at the premises of the Manufacturer, at the time of shipment, all reasonable facilities and assistance shall be furnished to the inspectors at no charge to the Purchaser.

20. Completion of the Facilities

20.1 As soon as the Facilities or any part thereof has, in the opinion of the Contractor, been completed operationally and

structurally and put in a tight and clean condition as specified in the Technical Specifications, excluding minor items not materially affecting the operation or safety of the Facilities, the Contractor shall so notify the Purchaser in writing.

21. Commissioning and Operational Acceptance

21.1 Commissioning

Commissioning of the Facilities or any part thereof shall be commenced by the Contractor immediately after issue of the Completion Certificate by the Purchaser.

F. Guarantees and Liabilities

22. Completion Time Guarantee

22.1 The Contractor guarantees that it shall attain Completion of the Facilities within the Time for Completion specified in the SCC

22.2 If the Contractor fails to attain Completion of the Facilities within the Time for Completion or any extension thereof under GCC, the Contractor shall pay to the Purchaser liquidated damages in the amount specified in the SCC as a percentage rate of the Contract Price, or the relevant part thereof. The aggregate amount of such liquidated damages shall in no event exceed the amount specified as "Maximum" in the SCC. Once the "Maximum" is reached, the Purchaser may consider termination of the Contract.

Such payment shall completely satisfy the Contractor's obligation to attain Completion of the Facilities within the Time for Completion or any extension thereof under GCC. The Contractor shall have no further liability whatsoever to the Purchaser in respect thereof.

However, the payment of liquidated damages shall not in any way relieve the Contractor from any of its obligations to complete the Facilities or from any other obligations and liabilities of the Contractor under the Contract.



23. Defect Liability

23.1 The Contractor warrants that the Facilities or any part thereof shall be free from defects in the design, engineering, materials, and workmanship of the Plant and Equipment supplied and of the work executed.

[Handwritten signature]

23.2 In case of defect in any part at the time of installation it shall be replaced with new one instead of repair.

24. Functional Guarantees

24.1 The Contractor guarantees that during the Guarantee Test, the Facilities and all parts thereof shall attain the Functional, subject to and as specified in Technical Specification.

25. Force Majeure 25.1 Not with-standing the provisions of GCC Clauses 16,17 & 18 the supplier shall not be liable for forfeiture of its performance security / earnest money, or termination / blacklisting for default if and to the extent that it delay in performance or other failure to perform its obligation under the contract is the result of an event of Force Majeure means an act of God or an event beyond the control of the supplier and not involving the supplier's fault or negligence directly or indirectly purporting to mis-planning, mismanagement and / or lack of foresight to handle the situation. Such events may include but are not restricted to acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods earthquakes, Epidemics, quarantine restrictions and freight embargoes. If a Force Majeure situation arises, the supplier shall promptly notify the purchaser in writing with sufficient and valid evidence of such condition and the cause thereof. The Force Majeure Committee will examine the pros and cons of the case and all reasonable alternative means for completion of supply orders under this contract and will submit its recommendations to the competent authority. However, unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical and shall seek reasonable alternative means for performance not prevented by the Force Majeure event.



H. Change in Contract Elements

- 26. Extension of Time for Completion** 26.1 The Time(s) for Completion specified in the SCC shall be extended if the Contractor is delayed or impeded in the performance of any of its obligations under the Contract by reason of any of the following:
- (a) any Change in the Facilities as provided in GCC
 - (b) any occurrence of Force Majeure as provided in GCC unforeseen conditions or other occurrence of any of the matters
 - (c) any other matter specifically mentioned in the Contract
- 27. Termination for Default** 27.1 The purchaser, without prejudice to any other remedy for breach of contract by written notice of default sent to the supplier, may terminate this contract in whole or in part:
- (a) If the supplier fails to deliver any or all of the Plant and Machinery within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser.

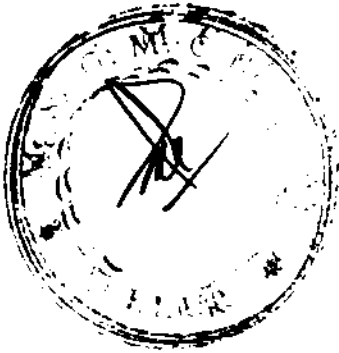
(b) If the Supplier fails to perform any other obligation(s) under the Contract.

(c) If the supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this clause:

“corrupt practice” means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution

“Fraudulent Practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Purchase of the benefits of free and open competition.



Section V. Special Conditions of Contract

Table of Clauses

1. Definitions (GCC Clause 1).....
2. Notices (GCC Clause 4)
3. Governing Law (GCC Clause 5)
4. Scope of Facilities /Spare Parts/ (GCC Clause 7).....
5. Time for Commencement and Completion
6. Contract Price (GCC Clause 11).....
7. Securities (GCC Clause 13).....
8. Completion Time Guarantee (GCC Clause 22).....
9. Specification



Special Conditions of Contract

The following Special Conditions of Contract (SCC) shall supplement the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC. The corresponding clause number of the GCC is indicated in parentheses.

1. Definitions (GCC Clause 1)

The Purchaser is: *The Medical Superintendent, Ghulam Muhammad Mahar Medical College Hospital, Sukkur*

The Project Manager is: *The Medical Superintendent, Ghulam Muhammad Mahar Medical College Hospital, Sukkur*

The Contractor is: _____

Country of Origin: _____

2. Notices (GCC Clause 4)

GCC 4.1—Purchaser's address for notice purposes:

The Medical Superintendent, Ghulam Muhammad Mahar Medical College Hospital, Sukkur

Contractor's address for notice purposes _____

3. Governing Law (GCC Clause 5)

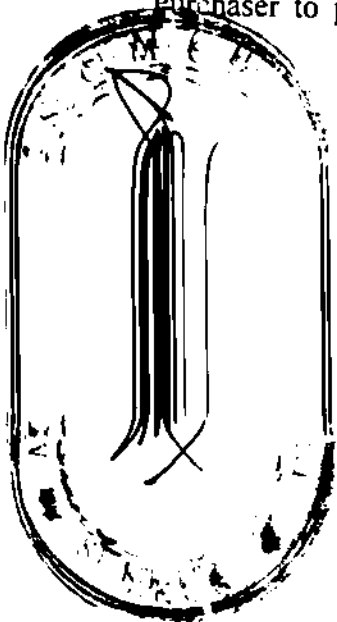
Sample Provision

GCC 5.1—The Contract shall be interpreted in accordance with the laws of the Purchaser's country.

4. Scope of Facilities /Spare Parts/ (GCC Clause 7)

GCC 7.3—The Contractor agrees to supply spare parts for a period of 10 (Ten) years.

The Contractor shall carry sufficient inventories to ensure an ex-stock supply of consumable spares for the plant and equipment. Other spare parts and components shall be supplied as promptly as possible, but at the most within forty five (45) days of placing the order and opening the letter of credit. In addition, in the event of termination of the production of spare parts, advance notification will be made to the Purchaser of the pending termination, with sufficient time to permit the Purchaser to procure the needed requirement. Following such termination, the



Contractor will furnish to the extent possible and at no cost to the Purchaser the blueprints, drawings and specifications of the spare parts, if requested.

5. Time for Commencement and Completion

The Contractor shall commence work on the Facilities from the Effective Date for determining Time for Completion as specified in the Contract Agreement.

The Completion of the Facilities shall be attained within Forty five (45) days

6. Contract Price (GCC Clause 11)

The Contract price shall be fixed

7. Securities (GCC Clause 13)

GCC 13.2.1— Amount of performance security, as a percentage 10% (Ten Percent) of the Contract Price for the Facility is provided, shall be:

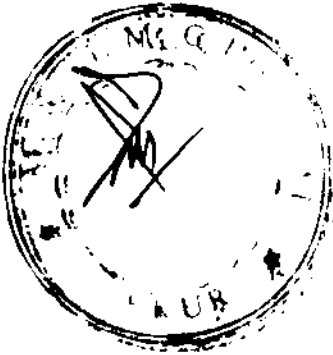
GCC 13.2.2— The performance security shall be in the form of the: *Pay order / Bank Draft / Bank Guarantee* attached hereto in the section on Sample Forms and Procedures.

8. Completion Time Guarantee (GCC Clause 22)

GCC 22.2—Applicable rate for liquidated damages:

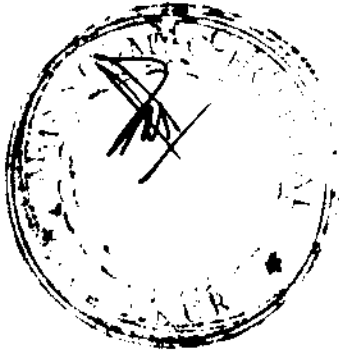
Maximum deduction for liquidated damages: 0.5% per week. (Maximum up to 10%)

The above rate and maximum apply to the price of the part of the Facilities, as quoted in the Price Schedule, for that part for which the Contractor fails to achieve Completion within the particular Time for Completion.



**Section VI. Schedule of Requirements /
Technical Specification**

Item No.	Description of Goods	Quantity
02	<u>MRI SYSTEM</u>	01 Unit.



COMPLETE TECHNICAL SPECIFICATION

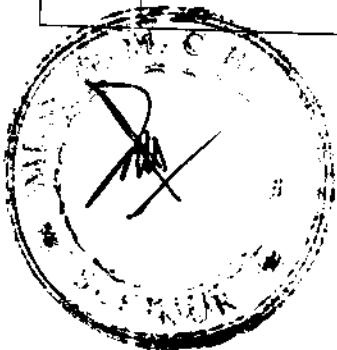
TECHNICAL SPECIFICATIONS OF 0.35 TESLA OR MORE MRI SYSTEM

LATEST GENERATION 0.35 OR MORE PERMANENT MAGNET MRI SYSTEM WITH CLINICAL APPLICATION SOFTWARE WITH COILS TO COVER THE WHOLE BODY. THE QUOTED MODEL MUST BE THE LATEST AND SUCCESSFUL MRI HAVING LARGE INSTALLED BASE AROUND THE WORLD.

THE BIDDER MUST INDICATE THE NUMBER OF MRI SCANNERS INSTALLED WITHIN PAKISTAN AND LETTER OF SATISFACTION FROM ATLEAST THREE HOPITALS.

COMPANY SHOULD PROVIDE THE NAME AND QULAUTIFACTION DETAILS OF ITS TRAINED ENGINEERING STAFF.

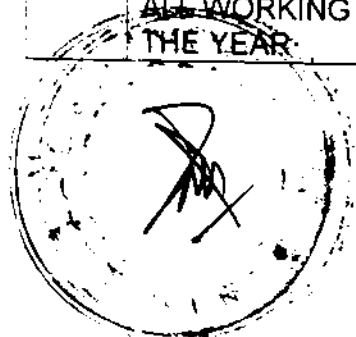
S.NO	ITEM SPECIFICARIONS	DESCRIPTION OF SPECS
1)	MAGNET	
1.1	TYPE	PERMANENT MAGNET OPEN MRI
1.2	SHIELDING METHOD	ACTIVE/PASSIVE
1.3	SHIMMING METHOD	ACTIVE/PASSIVE
1.4	FIELD STRENGTH	0.35TESLA OR MORE
1.5	MAGNET DIAMETER	OPEN ON 3 SIDES OR BETTER
1.6	MEGNET HOMOGENEITY/STABILITY	3.0 PPM AT 36 CM DSV OR SIMILAR.
2)	RF SYSTEM	
2.1	TYPE	DIGITAL
2.2	TRANSMITTING POWER	2.5 KW OR MORE
2.3	RECEIVER CHANNELS	MINIMUM 04 RF RECEIVE CHANNELS OR MORE
3)	COILS	
3.1	NECK COIL	
3.2	HEAD COIL	
3.3	FLEXIBLE BODY COIL (L) OR COIL TO DO SPINE	
3.4	FLEXIBLE BODY COIL (M)	
3.5	SHOULDER COIL	
3.6	WRIST COIL	
3.7	BILATERAL BREAST COIL	
3.8	KNEE JOINT COIL	
4)	GRADIENT SUB SYSTEM	
4.1	GRADIENT STRENGTH	20 MT/M OR MORE, TRUE AXIS VALUES OR SIMILAR
4.2	SLEW RATE	50MT/M/S OR MORE, TRUE AXIS VALUES OR SIMILAR



	SINGLE SLICE (2DFT), MULTISLICE (2D FT), MULTISLICE EXCITATION SIMULTANEOUSLY (2/4), VOLUME (3DFT), MULTIVOLUME (3DFT), FAT/WATER SEPARATION, MULTIPLANER RECONSTRUCTION (MRP), REAL TIME ZOOM, SELECTION OF IMAGE FILTERS, ROI ANALYSIS TOOLS, BATCH MODE PROCESSING, ANALYSIS OF CONTRAST DYNAMIC EXAMINATIONS, ADC MAP CALCULATION INCLUDING COMBINED ADC MAP, ISOTROPIC DW IMAGE CALCULATION, MIP.	
9.2	CARDIAC GATING	
9.3	RESPIRATORY GATING	
10)	<p>ADVANCED SOFTWARE/APPLICATIONS: THE SYSTEM SHOULD OFFER A LARGE SELECTION OF ROUTINE AND ADVANCED APPLICATIONS.</p> <ul style="list-style-type: none"> • NEURO • SPINE • BODY • MUSCULOSKELEETAL • VASCULAR • MAMMOGRAPHY • KINEMATIC JOINTS 	
11)	MRI SUITE standard and safety	
11.1	VENDOR WILL BE RESPONSIBLE FOR RENOVATION OF MRI SUITE AS PER INTERNATIONAL STANDARDS INCLUDING FURNITURE, AIR CONDITIONING AND ATLEAST FOUR CCTV CAMERAS TO COVER ALL AREAS WITH A DVR TO HAVE ATLEAST THREE MONTHS RECORDING OF ALL FOUR CAMERAS. CCTV SHOULD ALSO HAVE UPS SUPPLY.	
12)	ACCESSORIES TO BE OFFERED WITH SYSTEM:	
12.1	ONLINE SINE WAVE UPS FOR WHOLE SYSTEM WITH A MINIMUM BACK UP OF 10-MINUTES ON FULL LOAD	
12.2	RF CASE/SHIELDING WITH INTERIOR	



	DÉCOR OUTLETS OF OXYGEN/AND SUCTION WITH NON-MAGNET SUCTION UNIT AND OXYGEN FLOW METER INCLCLUDING ELECTRICAL AND AIR CONDITIONING NEED ACCORDING TO SYSTEM REQUIREMENT	
12.3	LATEST DRY/LASER IMAGER DICOM COMPATIBLE UP TO 14 X 17 INCH FILM SIZE	
12.4	NON-FERROUS PATIENT TROLLEY WITH IV STAND	
12.5	NON-FERROUS WHEEL CHAIR WITH IV POLE	
12.6	NON-FERROUS HAND HELD METAL DETECTOR	
12.7	NON-FERROUS FIRE EXTINGUISHER	
13)	POWER REQUIREMENT	
13.1	SINGLE THREE PHASE LINE VOLTAGE OF 220V, 50HZ	
14)	TRAINING	
14.1	TWO WEEKS TRAINING OF RADIOLOGIST AT A REPUTABLE CENTRE AND FOR TWO WEEKS ON SITE AVAILABILITY OF AN APPLICATION SPECIALIST FOR TECHNOLOGIST TRAINING.	
15)	WARRANTY & POST WARRANTY AGREEMENT & MAINTENANCE CONTRACT	
15.1	WARRANTY PERIOD SHALL BE OF FIVE YEARS STARTING FROM DATE OF FULL FUNCTIONAL COMMISSIONING	
15.2	MAINTENANCE OF THE MACHINE/EQUIPMENT DURING THE WHOLE PERIOD OF WARRANTY SHALL BE RESPONSIBILITY OF THE VENDOR FAILING WHICH, THE VENDOR WILL HAVE TO PAY DOWN TIME PENALTY AS INDICATED IN TERMS AND CONDITIONS	
15.3	AN ANNUAL OPTIMAL UPTIME OF 95% IS CONSIDERED AS AN ACCEPTABLE LEVEL OF PERFORMANCE. UPTIME SHALL BE DEFINED AS TIME AVAILABLE TO USER FOR DATA ACQUISITION AND PROCESSING ON ALL WORKING DAYS THROUGHOUT THE YEAR.	



	SERVICE CHARGES WITH AND WITHOUT PARTS FOR THE COMPLETE SYSTEM AFTER THE EXPIRY OF FIVE YEARS WARRANTY PERIOD ON YEARLY BASIS ALONG WITH THE BID. THEY SHOULD ALSO INCLUDE PRICE MAJOR BREAKABLE PARTS.	
16.11	MANUFACTURER/SUPPLIER WILL GUARANTEE THE AVAILABILITY OF SPARE PARTS AND ACCESSORIES FOR THE SYSTEM FOR AT LEAST TEN YEARS.	
16.12	MANUFACTURER/SUPPLIER SHOULD ALSO CONFIRM THAT IN EVENT OF THE SERVICES COSTS FAILING OR REDUCING IN LINE WITH THE MANUFACTURER POLICY WORLDWIDE DUE TO TECHNICAL INNOVATIONS OR OTHER REVIEWS, THEY WILL REDUCE THE MAINTENANCE COST ACCORDINGLY.	
17)	OPTIONAL ITEMS - IF AVAILABLE WITH VENDOR (NON-AVAILABILITY WILL NOT BE THE BASIS FOR TECHNICAL ACCEPTANCE/REJECTION)	MENTION SEPARATE PRICE OF EACH COMPONENT
17.1	CIRCULAR COILS (MAXIMUM AVAILABLE SIZE)	
17.2	FLEXIBLE BODY COIL (MAXIMUM AVAILABLE SIZE)	
17.3	NON FERROUS ANESTHESIA MACHINE	
17.4	CONNECTIVITY WITH LOCAL HMIS/RIS SYSTEMS	
17.5	TWO DESKTOP COMPUTERS WITH 64 BIT DUAL PROCESSOR OF LATEST TECHNOLOGY, 02MB CACHE RAM AT 01 GHZ, HD 100GB OR MORE, DVD/CD RW, 10/100/1000 BASE T ETHERNET LAN, 56K MODEM, GRAPHICS CARE, NETWORKING CARD, 17" TFT LCD DISPLAY WITH OTHER STANDARD ACCESSORIES. OPERATING SYSTEM SOFTWARE WITH CT VIEWER DICOM COMPATIBLE SOFTWARE SHOULD BE INCLUDED. VENDOR WILL INSTALL/NETWORK THESE COMPUTERS FROM CT SCAN ROOMS TO CONSULTANT'S ROOMS.	



	VENDOR	
19.5	ONLY SOLE DISTRIBUTORS IN PAKISTAN OR MANUFACTURER ARE ELIGIBLE TO PARTICIPATE	
19.6	PRICING OF OPTIONAL CONFIGURATION AND POST WARRANTY TERMS SHOULD BE QUOTED SEPARATELY.	
19.7	PRICING OF OPTIONAL CONFIGURATION WITH ACCESSORIES AND SERVICES SHULD BE QUOTED SEPARATELY.	
19.8	TECHNICAL EVALUATION WILL BE BASED ON THE STANDARD CONFIGURATION WITH ACCESSOREIS OF THE WHOLE UNIT.	
19.9	COMMERCIAL EVALUATION WILL BE BASED ON THE STANDARD CONFIGURATION WITH ACCESSOREIS OF THE WHOLE UNIT.	
19.10	COST ON CIF BASIS LC WILL BE OPENED BY THE VENDOR THE CHARGES OF THE LC, INSURANCE WILL ALSO BE BORNE BY THE VENDOR.	
19.11	COST ON F.O.R BASIS	
20	QUALITY & SAFETY STANDARDS:	
20.0	COUNTRY OF ORIGIN SHOULD BE USA/EUROPE/JAPAN WITH THEIR RESPECTIVE STANDARDS MDD (CE) COMPLIANCE / MHLW JAPAN / FDA 510K. IN CASE EQUIPMENT ORIGIN IS FROM OTHER COUNTRY THEN FDA 510K USA APPROVAL IS MANDATORY.	

CIVIL AND ELECTRICAL WORK FOR MRI SCANNER INSTALLATION AND COMMISSIONING

THE CONTRACTING FIRM SHALL VISIT THE SITE BEFORE SUBMISION OF TNER TO ASSES THE NOISE LEVELS OF THE SITE FOR MAGNET OF MRI AND ALSO TO ENSURE THAT COST OF ALL NECESSARY ELECTRICAL BOARDS/CABLES/EARTHILING NEEDED TO INSTALL AND COMMISSION THE COMPLETE SYSTEM ARE INCLUDED IN THE SUPPLY SCAN IS FIXED WITHIN SIX MONTHS FROM THE DATE OF AWARDDING OF THE TENDER.



Section VIII. Sample Forms and Procedures

Table of Sample Forms and Procedures

1. Bid Forms and Price Schedules
2. Form of Bid Security / Earnest Money (Bank Guarantee)
3. Form of Contract Agreement
4. Performance Security Forms
5. Form of Completion Certificate.....
6. Form of Operational Acceptance Certificate
7. Integrity Pact.....



1. Bid Forms and Price Schedules

1.1 Bid Form—Single Stage Bidding

Date:

[Name of Contract]

To: [Name and address of Purchaser]

Ladies and / or Gentlemen,

Having examined the bidding documents, including Addendum Nos. [insert numbers], the receipt of which is hereby acknowledged, we, the undersigned, offer to design, manufacture, test, deliver, install, pre-commission and commission the Facilities under the above-named Contract in full conformity with the said bidding documents for the sum of: [amount of foreign currency in words], [amount in figures], and [amount of local currency in words], [amount in figures] or such other sums as may be determined in accordance with the terms and conditions of the Contract. The above amounts are in accordance with the Price Schedules attached herewith and are made part of this bid.

We undertake, if our bid is accepted, to commence the Facilities and to achieve Completion within the respective times stated in the bidding documents.

If our bid is accepted, we undertake to provide an advance payment security and a performance security in the form, in the amounts, and within the times specified in the bidding documents.

We agree to abide by this bid, which consists of this letter and Attachments 1 through [number] hereto, for a period of [number] days from the date fixed for submission of bids as stipulated in the bidding documents, and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity
_____	_____	_____
_____	_____	_____
_____	_____	_____

(if none, state "none").

Until a formal contract is prepared and executed between us, this bid, together with your written acceptance thereof and your notification of award, shall constitute a binding contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive.



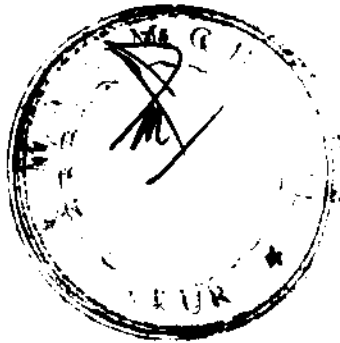
Dated this _____ day of _____, 19____

[signature]

In the capacity of _____
[position]

Duly authorized to sign this bid for and on behalf of _____
[name of Bidder]

Attachments: [In accordance with ITB Sub-Clause 9.3, plus any additional attachment either specified by the Purchaser in the Bid Data Sheet or included by the Bidder. In this regard, the Purchaser may include in the bidding document, as an Attachment to the Bid Form, a list of "Bidding Data," including the most important data to be provided by the Bidder (e.g., Time for Completion, Functional Guarantees, etc.)]



1.3 Price Schedules

In order to receive consistent and responsive bids, it is recommended that Purchasers include a PREAMBLE to the Price Schedules indicating exactly what is required of bidders when completing and pricing their bids.

The following Preamble is given as an example only. Purchasers are responsible for ensuring that the Preamble included in the bidding documents is complete and appropriate for the contract in question.

PREAMBLE

General

1. The Price Schedules are divided into separate Schedules as follows:

Schedule No. 1	Plant and Equipment Supplied from Abroad
Schedule No. 2	Plant and Equipment Supplied from within the Purchaser's Country
Schedule No. 3	Local Transportation
Schedule No. 4	Installation Services (Civil work, Electrical work and other services)
Schedule No. 5	Grand Summary

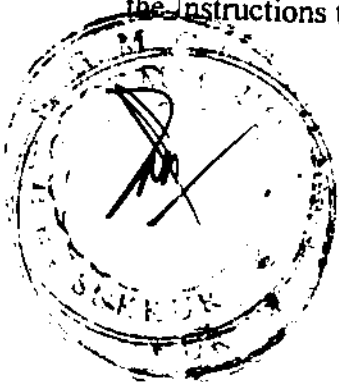
2. The Schedules do not generally give a full description of the plant and equipment to be supplied and the services to be performed under each item. Bidders shall be deemed to have read the Technical Specifications and other sections of the bidding documents to ascertain the full scope of the requirements included in each item prior to filling in the rates and prices. The entered rates and prices shall be deemed to include for the full scope as aforesaid, including overheads and profit.
3. If bidders are unclear or uncertain as to the scope of any item, they shall seek clarification in accordance with the Instructions to Bidders in the bidding documents prior to submitting their bid.

Pricing

4. Prices shall be filled in indelible ink, and any alterations necessary due to errors, etc., shall be initialed by the bidder authorized to sign the bid form

As specified in the Bid Data Sheet and Special Conditions of Contract, prices shall be fixed and firm for the duration of the Contract.

5. Bid prices shall be quoted in the manner indicated and in the currencies specified in the Instructions to Bidders in the bidding documents.



For each item, bidders shall complete each appropriate column in the respective Schedules, giving the price breakdown as indicated in the Schedules.

Prices given in the Schedules against each item shall be for the scope covered by that item as detailed in the Technical Specification in the bidding documents

6. Where there are errors between the total of the amounts given under the column for the price breakdown and the amount given under the Total Price, the former shall prevail and the latter will be corrected accordingly.

Where there are errors between the total of the amounts of Schedule Nos. 1 to 4 and the amount given in Schedule No. 5 (Grand Summary), the former shall prevail and the latter will be corrected accordingly.

Where there are discrepancies between amounts stated in figures and amounts stated in words, the amounts stated in words shall prevail.

7. Items left blank will be deemed to have been included in other items. The TOTAL for each Schedule and the TOTAL of the Grand Summary shall be deemed to be the total price for executing the Facilities and sections thereof in complete accordance with the Contract, whether or not each individual item has been priced.



Schedules of Rates and Prices

Schedule No. 1. Plant, Equipment, Supplied From Abroad

Item	Description	Code 1	Qty. (1)	Unit Price ² CIF (2)	Total Price CIF (1)x(2)	Unit Price FOR	Total Price FOR
			Total				
C o d e	Country			Name of Bidder			
					Signature of Bidder		



Schedule No. 2. Plant, Equipment Supplied from Within the Purchaser's Country

Item	Description	Qty. (1)	EXW Unit Price (2)	EXW Total Price (1) x (2)
TOTAL (to Schedule No. 5. Grand Summary)				

Name of Bidder _____

Signature of Bidder _____

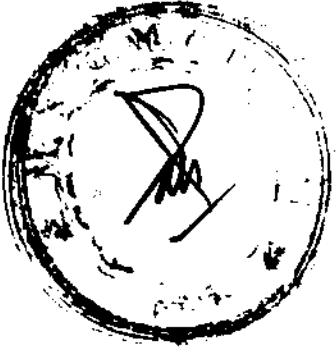


Schedule No. 3. Local Transportation

Item	Description	Qty. (1)	Unit Price	Total Price (1) x (2)
			Local Currency Portion (2)	
TOTAL (to Schedule No. 5. Grand Summary)				

Name of Bidder _____

Signature of Bidder _____



Schedule No. 4. Installation Services (Civil work, Electric work and other services)

Item	Description	Qty. <i>(1)</i>	Unit Price		Total Price	
			Foreign Currency Portion <i>(2)</i>	Local Currency Portion <i>(3)</i>	Foreign <i>(1) x (2)</i>	Local <i>(1) x (3)</i>
TOTAL (to Schedule No. 5. Grand Summary)						



Name of Bidder _____

Signature of Bidder _____

Schedule No. 5. Grand Summary

Item	Description	Total Price	
		Foreign	Local
	Total Schedule No. 1. Plant, Equipment, Supplied from Abroad		
	Total Schedule No. 2. Plant, Equipment Supplied from Within the Purchaser's Country		
	Total Schedule No. 3. Local Transportation.		
	Total Schedule No. 4. Installation Services (Civil work, Electric work, and other services)		
TOTAL (to Bid Form)			



Name of Bidder _____

Signature of Bidder _____

2. Form of Bid Security / Earnest Money

[Bank's Name, and Address of Issuing Branch or Office]

Beneficiary: _____ *Name and Address of Purchaser]*

Date: _____

BID GUARANTEE No.: _____

We have been informed that *[name of the Bidder]* (hereinafter called "the Bidder") has submitted to you its bid dated (hereinafter called "the Bid") for the execution of *[name of contract]* under Invitation for Bids.

Furthermore, we understand that, according to your conditions, bids must be supported by a bid guarantee.

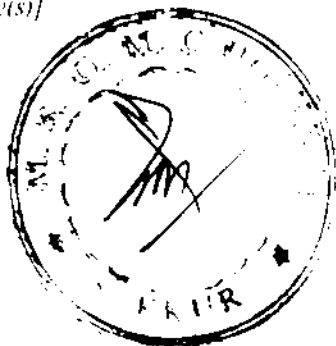
At the request of the Bidder, we *[name of Bank]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[amount in figures]* (*[amount in words]*) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- (a) has withdrawn its Bid during the period of bid validity specified by the Bidder in the Form of Bid; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders.
- (c) having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity, (i) fails or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the performance security, in accordance with the ITB.

This guarantee will expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the contract signed by the Bidder and the performance security issued to you upon the instruction of the Bidder; or (b) if the Bidder is not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder of the name of the successful bidder; or (ii) twenty-eight days after the expiration of the Bidder's Bid.

Consequently, any demand for payment under this guarantee must be received by us at the office on or before that date.

[signature(s)]



3. Form of Contract Agreement

THIS CONTRACT AGREEMENT is made the _____ day of _____, 19_____.

BETWEEN

(1) *[Name of Purchaser]*, a corporation incorporated under the laws of *[country of Purchaser]* and having its principal place of business at *[address of Purchaser]* (hereinafter called "the Purchaser"), and (2) *[name of Contractor]*, a corporation incorporated under the laws of *[country of Contractor]* and having its principal place of business at *[address of Contractor]* (hereinafter called "the Contractor").

WHEREAS the Purchaser desires to engage the Contractor to design, manufacture, test, deliver, install, complete and commission certain Facilities, viz. *[list of facilities]* ("the Facilities") and the Contractor have agreed to such engagement upon and subject to the terms and conditions hereinafter appearing.

NOW IT IS HEREBY AGREED as follows:

**Article 1.
Contract
Documents**

1.1 Contract Documents

The following documents shall constitute the Contract between the Purchaser and the Contractor, and each shall be read and construed as an integral part of the Contract:

- (a) This Contract Agreement and Price Schedule submitted by the contractor.
- (b) Bid and Price Schedules submitted by the Contractor
- (c) Special Conditions of Contract
- (d) General Conditions of Contract
- (e) Technical Specifications
- (f) *Any other documents shall be added here*

**Article 2.
Contract
Price**

2.1 Contract Price

The Purchaser hereby agrees to pay to the Contractor the Contract Price in consideration of the performance by the Contractor of its obligations hereunder. The Contract Price shall be the aggregate of: *[amount in words]*, *[amount in figures]* as specified in Price Schedule No. 5 (Grand Summary), or such other sums as may be determined in accordance with the terms and conditions of the Contract.

**Article 3.
Effective Date
for
Determining
Time for
Completion**

3.1 Effective Date (Reference GCC Clause 1)

The Time of Completion of the Facilities shall be determined from the date when all of the following conditions have been fulfilled:



(a) This Contract Agreement has been duly executed or signed for and on behalf of the Purchaser and the Contractor.

(b) The Contractor has submitted to the Purchaser the performance security.

Each party shall use its best efforts to fulfill the above conditions for which it is responsible as soon as practicable.

IN WITNESS WHEREOF the Purchaser and the Contractor have caused this Agreement to be duly executed by their duly authorized representatives the day and year first above written.

Signed by, for and on behalf of the Purchaser

[Signature]

[Title]

in the presence of _____

Signed by, for and on behalf of the Contractor

[Signature]

[Title]

in the presence of _____



4. Performance Security Forms

Bank Guarantee

_____ [Bank's Name, and Address of Issuing Branch or Office]

Beneficiary: [Name and Address of Purchaser]

Date: _____

PERFORMANCE GUARANTEE No.: _____

WHEREAS [name of Contractor] (hereinafter called "the Contractor") has undertaken in pursuance of Contract No. [reference number of the contract] dated _____ to supply [name of contract and brief description of Facilities] (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a bank guarantee by a reputable bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the contract.

AND WHEREAS We have to give the Supplier a guarantee:

Therefore We hereby affirm that we are Guarantors are responsible to you, on behalf of the Supplier, up to a total of [amount of the guarantee in words and figures] and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any some or sums within the limits of [amount of guarantee] as aforesaid with your needing to prove or to show grounds or reason for your demand or the sum specified therein.

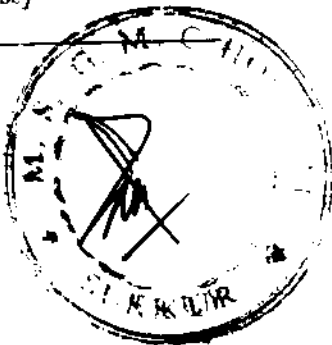
This guarantee is valid un till the ___ day of ___, 2___

[signature(s) and seal]

[name of bank]

[address]

[date]



5. Form of Completion Certificate

Date: _____
Loan/Credit N^o: _____
IFB N^o: _____

[Name of Contract]

To: [Name and address of Contractor]

Dear Ladies and/or Gentlemen,

Pursuant to GCC Clause 20 (Completion of the Facilities) of the General Conditions of the Contract entered into between yourselves and the Purchaser dated [date], relating to the [brief description of the Facilities], we hereby notify you that the following part(s) of the Facilities was (were) complete on the date specified below, and that, in accordance with the terms of the Contract, the Purchaser hereby takes over the said part(s) of the Facilities, together with the responsibility for care and custody and the risk of loss thereof on the date mentioned below.

1. Description of the Facilities or part thereof: [description]
2. Date of Completion: [date]

However, you are required to complete the outstanding items listed in the attachment hereto as soon as practicable.

This letter does not relieve you of your obligation to complete the execution of the Facilities in accordance with the Contract nor of your obligations during the Defect Liability Period.

Very truly yours,

Medical Superintendent



6. Form of Operational Acceptance Certificate

Date: _____
Loan/Credit N^o: _____
IFB N^o: _____

[Name of Contract]

To: [Name and address of Contractor]

Dear Ladies and/or Gentlemen.

Pursuant to GCC Sub-Clause 21 (Operational Acceptance) of the General Conditions of the Contract entered into between yourselves and the Purchaser dated [date], relating to the [brief description of the Facilities], we hereby notify you that the Functional Guarantees of the following part(s) of the Facilities were satisfactorily attained on the date specified below.

1. Description of the Facilities or part thereof: [description]
2. Date of Operational Acceptance: [date]

This letter does not relieve you of your obligation to complete the execution of the Facilities in accordance with the Contract nor of your obligations during the Defect Liability Period.

Very truly yours,

Medical Superintendent



7. Integrity Pact

DECLARATION OF FEES, COMMISSIONS AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS / CONTRACTORS OF GOODS, SERVICES & WORKS

_____ [the Seller/Supplier/Contractor] hereby declares its intention not to

obtain or induce the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan or any administrative subdivision or agency thereof or any other entity owned or controlled by it (Government of Pakistan) through any corrupt business practice.

Without limiting the generality of the foregoing, [the Seller/Supplier/Contractor] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to

anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or including the procurement of contract, right, interest, privilege or other obligation or benefit in whatsoever form from Government of Pakistan, except that which has been expressly declared pursuant hereto.

[The Seller/Supplier/Contractor] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with Government of Pakistan and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[The Seller/Supplier/Contractor] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to Government of Pakistan under any law, contract or other instrument, be voidable at the option of Government of Pakistan.

Notwithstanding any rights and remedies exercised by Government of Pakistan in this regard, [the Seller/Supplier/Contractor] agrees to indemnify Government of Pakistan for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to Government of Pakistan in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by [the Seller/Supplier/Contractor] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from Government of Pakistan.



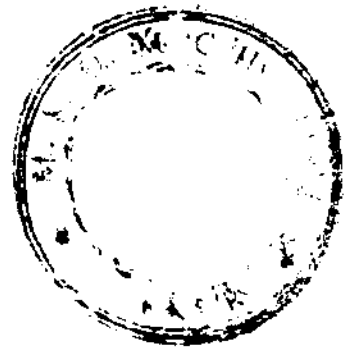
GHULAM MUHAMMAD MAHAR MEDICAL COLLEGE HOSPITAL, SUKKUR

**Tender for Purchase of Machinery, Equipment,
Furniture and Fixture to be installed at Ghulam
Muhammad Mahar Medical College Hospital,
Sukkur for the year 2015-16**

Tender No.MS/GMCHS/SUKKUR/2015-16

Due on: 01-12-2015


Medical Superintendent
GMC Hospital Sukkur



**OFFICE OF THE
MEDICAL SUPERINTENDENT
GHULAM MUHAMMAD MAHAR MEDICAL COLLEGE HOSPITAL, SUKKUR**

TENDER NO. MS/GMCHS/SUKKUR/2015-16

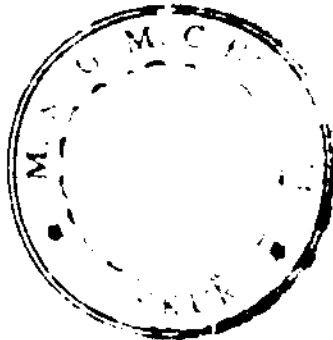
DUE ON: 01-12-2015

INVITATION FOR BIDS

1. Sealed bids are invited from eligible bidders for Supply of Machinery, Equipment, Furniture and Fixture etc. against funds provided in the year 2015-2016.
2. Bidding will be conducted under **SPP Rule 2010 clause 46(2)** single stage two envelope bidding procedures of Sindh Public Procurement Rule 2010 (Amended 2013) specified in this document is open to all interested bidders.
3. Interested bidders may obtain further information from the office of the undersigned Ghulam Muhammad Mahar Medical College Hospital, Sukkur, during the office hours.
4. A complete set of bidding documents may be purchased by interested bidders on the submission of a written application from Office of the Medical Superintendent Ghulam Muhammad Mahar Medical College Hospital, Sukkur, also from P&MI Cell, Health Department, 3rd Floor, Tuglaq House, Sindh Secretariat, Karachi, upon cash payment of nonrefundable fees of Rs. 2000/- (Two thousand only).
5. Bids must be delivered to the address below up to *12.00 noon* All bids must be accompanied by a bid security / earnest Money @ 2.5% of the Total bid cost in shape of pay order. Late bids will be rejected. Bids will be opened in the presence of the bidder's authorized representatives who choose to attend at the address below at *1:00 p.m.*

Address:

OFFICE OF THE MEDICAL SUPERINTENDENT
GHULAM MUHAMMAD MAHAR MEDICAL COLLEGE HOSPITAL, SUKKUR




**CHAIRMAN PURCHASE COMMITTEE /
MEDICAL SUPERINTENDENT,
GMMC HOSPITAL, SUKKUR**
Medical Superintendent
GMC Hospital Sukkur

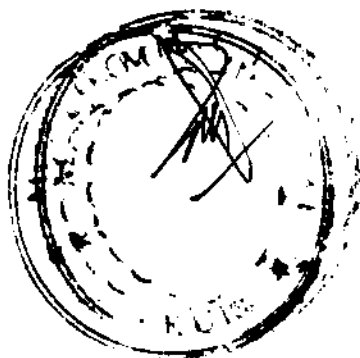
INSTRUCTIONS TO BIDDERS

Tenders are required to comply all the clauses mentioned in the terms and conditions of the tender and any deviation/breach will forbid them from competing in the tender.

- 1) Bids shall remain valid for 90 days from the date of opening. A bid valid for a shorter period shall be rejected as being non-responsive.
- 2) Prices should be quoted on C.I.F and D.D.P basis.
- 3) Price should be quoted in Figures & words both, failing which the offer will be ignored.
- 4) The Bidder shall prepare bid comprise one single envelope containing separately financial proposal and technical proposal in original. The Envelop shall be marked as **“FINANCIAL PROPOSAL”** and **“TECHNICAL PROPOSAL”** in bold and legible letter to avoid confusion.

In Technical Proposal the bidder must provide the original Data sheet and Technical brochure, Income Tax, Sales Tax, Sole Agency certificate and other documents; otherwise the bid will be ignored. **A photocopy of the earnest money should be attached with Technical Proposal but its value must not be disclosed and this can be achieved by placing a piece of paper on the place where amount is mentioned.**

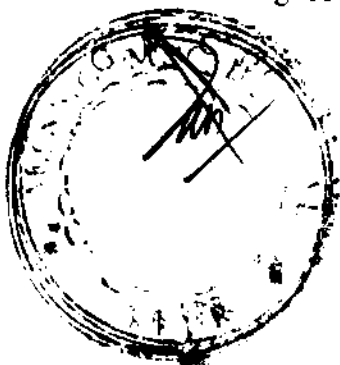
- 5) The technical bid submitted by the Bidder shall comprise the following documents:
 - (a) Bid security (Photocopy of the earnest money without amount).
 - (b) The original tender purchase receipt.
 - (c) Bidders shall purchase separate tender document and furnish purchase receipts for alternate offer, in case they want to submit alternate offer. Any item's bid with alternate offers without separate purchase receipt (Original) is supposed to be rejected.
 - (d) A detail data sheet having description of the essential technical and performance characteristics of the offered equipment.
 - (e) The original catalogue must accompany with offer and the equipment should comply/certified at CE/FDA approved.
 - (f) Only sole agent/distributor should submit their bid. No sublets are allowed.
 - (g) Sole agency certificate of the quoted item from the Manufacturer must be attached by the bidder with at least three years validity.
 - (h) Bidder should have at least one year business history with the Manufacturer.
 - (i) Bidder should submit documentary proof of past import from Manufacturer.
 - (j) A certificate from the manufacturer that the offered machine / equipment being used in the country of origin.
 - (k) The bidder shall furnish copy of valid Professional Tax (Excise & Taxation) Certificate/Income Tax Certificate/GST Registration Certificate.
 - (l) For X-Ray Machine, copy of PNRA certificate must be attached with technical bid.
 - (m) Bidder must enclose list of users in Sindh and all over Pakistan of the quoted items. It is mandatory that the equipment should be supplied by the bidder.



26. Distributor once nominated by the manufacturer will be for the whole contract period and manufacturer cannot change its distributor during the year in any case. In exceptional cases the tendering authority may approve changes.
27. The warranty period will commence from the date of commissioning of the unit as per report of the end user/technical person.
28. The system will have the minimum uptime 95% in case of down time beyond this period the following penalty will be applied:
 - a) 95% to 100% No penalty.
 - b) 90% to 95% the warranty period will be extended by the number of days system in down.
 - c) 85% to 90% warranty period will be extended 1.5 time the down time period.
 - d) 80% to 85% warranty period will be extended two time for the down time period and supplier is supposed to give justification of delay.
 - e) Uptime less than 80% hospital will complain to the Principal to take action against the supplier and warranty will be the three time for the down time period.
 - f) However, PPM (Periodic Preventive Maintenance) will not consider in the down time and PPM of the system will be done as per manufacturer recommendation.

General & Special Conditions of Contract

- 1) The Contract shall be governed by and interpreted in accordance with laws of the Islamic Republic of Pakistan.
- 2) Store is required immediately. The bidder may however give their short guaranteed delivery period by which the supply will be completed but not later than 45days from date of purchase order. No Extension will be granted / accorded for the supply.
- 3) The manufacturer should provide an undertaking that if his authorized contractor fails to carry out any assignment in total or in part, manufacturer will be responsible to carry out the same.
- 4) Except as otherwise specifically provided in the Contract, the Contractor shall bear and pay all taxes, duties, levies and charges assessed on the Contractor.
- 5) The Contract Price shall be made to the Contractor as specified in the Contract Agreement, subject to the general principle / procedure of the Government of Sindh.
- 6) The Contract shall be executed in accordance with the Contract Documents and procedures.
- 7) The Purchaser or its representative shall inspect the Machinery / Equipment to confirm their conformity to the Contract specification. The inspection will be conducted at the premises of consignee after receipt of supply.



Evaluation Criteria

Bids will be evaluated as follows:

Initial scrutiny of documents:

- i. Copy of Earnest money without amount.
- ii. Original tender purchase receipt/receipts for alternate offers.
- iii. Compliance of terms and conditions
- iv. Submission of required documents in instructions to bidder and general terms and conditions of tender.

Technical Evaluation

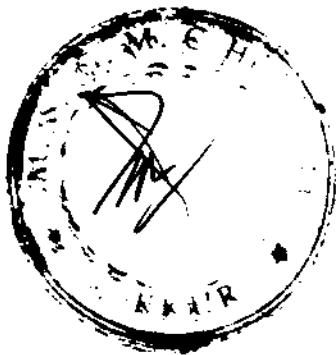
Only those bids will be evaluated technically that are qualified in initial scrutiny of documents.

Furniture & Fixture

Vendors will have to submit the samples of quoted furniture for technical evaluation and quality assessment.

Financial Evaluation

- i. Financial offers of only those bidders will be opened that are qualified in technical evaluation.
- ii. Original pay order
- iii. Amount of bid security at the rate of 2.5% of total bid amount.
- iv. Quoted price



UNDERTAKING

- a) That I/we agree whether our tender accepted for total, partial or enhanced quantity for all or any single item. I/We also agreed to supply and accept the said item at the rates for the supply of contracted quantity with in the stipulated period shown in the contract.
- b) I/We understand and confirm the refund of cost difference if the same goods is/was supplied at lower rates to any other Govt./Semi Govt. institution in the province in the same fiscal year.
- c) I/We undertake that, if any of the information submitted in accordance to this tender Enquiry found incorrect, our contract may be cancelled at any stage on our cost and risk.

CERTIFICATE

We guarantee to supply the stores exactly in accordance with the requirement specified in the invitation to this tender.

Signature of Tenderer : _____



Name & Designation: _____

Medical Superintendent
GMC Hospital Sukkur

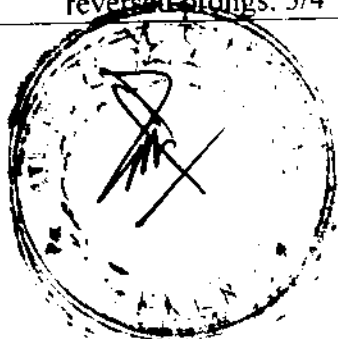
Address: _____



TECHNICAL OFFER

IMPORTANT

S.No.	Equipment description	Qty	Please write YES/NO or deviation if any
PLASTIC SURGERY DEPARTMENT			
1	<p>Plastic Surgery set</p> <ul style="list-style-type: none"> - Hook Retractor, 14cm Left. double prong, one sharp, one ball tip. - Deaver Retractor, 25 x 360mm, 14 1/8" with serrated working end. - Cottle Insertion Forceps, 16cm serrated jaw 6.5mm x 1.4mm. - Freeman Rake Retractor 2" 5cm, with thumb ring, 4 sharp reversed prongs, 1 1/2" 4cm wide ss. - Devine Millard Aufrecht Nasal Retractor, 18cm, 11 x 60mm Solid Blade. - Skin Hook 13cm 3 sharp prongs. - Joseph Nasal Saw, 19cm (7 1/2"), Bayonet Right. - Weider Retractor 15cm 4cm serrated blade. - Brunner Retractor, 25cm, 25mm Wide X 140mm Deep. - Deaver Retractor with hollow Handle #2, 325mm (12 3/4") x 38mm wide with serrated working end. - Converse Alar Nasal Retractor 12cm, Double Ended, 10mm and 14mm ends. - Baron Suction Tube, Angled 7.5cm, 3 French (1.0mm). - Baron Suction Tube, Angled 7.5cm, 5 French (1.7mm). - Baron Suction Tube, Angled 7.5cm, 7 French (2.3mm). - Baron Suction Tube, Angled 10cm, 3 French (1.0mm). - Baron Suction Tube, Angled 10cm, 5 French (1.7mm). - Aron Suction Tube, Angled 10cm, 7 French (2.3mm). - Deaver Retractor 25 x 360mm 14 1/8" Insulated with serrated working end. - Deaver Retractor, 25 x 330mm, 13" with serrated working end. - Ballenger Swivel Knife, 19.5cm (7 3/4"), Straight, 3mm Wide. - Ballenger Swivel Knife, 19.5cm (7 3/4"), Straight, 4mm Wide. - Ballenger Swivel Knife, 19.5cm (7 3/4"), Straight, 5mm Wide. - reeman Rake Retractor 2". 5cm with thumb ring, 4 sharp reversed prongs, 3/4" 2cm wide ss. 	01	



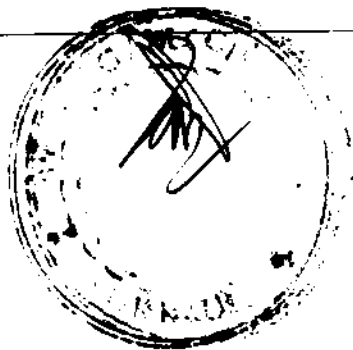
- Slip On Guard For Rubin Septal Morselizer.
- Deaver Retractor, 25 x 300mm, 11 3/4" with serrated working end.
- Millard type Thimble Hook, Single Hook.
- Millard type Thimble Hook, Double Hook.
- Volkmann retractor 21.5cm, 1 prong small, sharp.
- Volkmann Retractor 21.5cm, 1 prong large, sharp.
- olkmann Retractor 21.5cm, 2 prongs, sharp.
- Volkmann Retractor 21.5cm, 3 prongs, sharp.
- Volkmann Retractor 21.5cm, 4 prongs, sharp.
- Volkmann Retractor 21.5cm, 2 prongs, blunt.
- Volkmann Retractor 21.5cm, 3 prongs, blunt.
- Volkmann Retractor 21.5cm, 4 prongs, blunt.
- Boies Nasal Fracture Elevator, 19.5cm 9mm wide tip
- Bernstein Nasal Retractor 8x46mm blade, overall length 126mm, 5"
- Castroviejo Caliper (0-15mm Scale)
- Castroviejo Caliper (0-20mm Scale) Straight
- Pitanguy Small Flap Demarcator 15.5cm
- Pitanguy Large Flap Demarcator 26cm
- Pitanguy Flap Grasping Forceps, 14cm Stainless Steel.
- Lockwood Abdominal Demarcator 160 mm working length for marking abdominal flaps.
- Marten Flap Forceps, 14.5cm for accurate marking of Facial Flaps.
- Lockwood Abdominal Demarcator 310 mm working length for marking large abdominal flaps
- Marten Flap Forceps, 14.5cm with Ratchet Lock, for accurate marking of Facial Flap
- D'Assumpcao Face Lift Forceps 16cm with ratchet, for precise marking of dissected facial flaps for excision.
- D'Assumpcao Face Lift Forceps 26cm with ratchet, for precise marking of dissected facial flaps for excision.
- CE certified
- Export Quality

PAEDS DEPARTMENT

1	Pulse Oximeter <ul style="list-style-type: none"> - Portable 5-8" touch screen TFT display - 2 trace waveform - SpO2% Range: 0 ~ 100% - Pulse Rate Range: 30-250 bpm 	01	
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	<ul style="list-style-type: none"> - Alarm - Red light LED wavelength SpO2 Probe - Complete with peads and infant accessories - USA/UK/EEC or Equivalent 		
2	<p>Infusion pump</p> <ul style="list-style-type: none"> - Volumetric peristaltic infusion pump. - Flow rate 0.1 to 99.9 ml/h. - Unit compatible with most IV set. - Memory function incase of power failure to retain the most recent flow rate & total volume. - Comprehensive alarm for Air in line, occlusion, door open, low battery, infusion complete, empty container. - Built in battery with battery charger. - Unit complete with 10 nos. IV sets. - USA/UK/EEC/Japan or Equivalent 	01	
3	<p>Transport incubator</p> <ul style="list-style-type: none"> - Compact and light weight transport incubator for baby transportation within and outside hospital. - Waterproof display with control. - Double-wall acrylic hood. - Removable acrylic crib. - Iris side port. - 2 oval ports. - IV pole. - Access door with locking mechanism. - LED exam light. - Air control mode. - Automatic calibration. - Multiple alarms. - Multiple mounting solutions for additional equipment. - O2 Cylinder support. - Built in battery with 5 hours or more back up support. - Ambulance Lock . - Foldable cart. - 4 wheels 2 with brakes. - Power indicator. - Power source indicator. - USA/UK/EEC/Japan or Equivalent 	01	



Ventilator

01

- ICU Ventilator for preads and neonate.
- Invasive and non-invasive techniques.
- 12" or more Touch screen display with internal compressor. Battery back up support for 2 hours or more.
- Modes of ventilation: Assisted Control Mandatory Ventilation (CMV).
- Synchronized Intermittent Mandatory Ventilation (SIMV).
- Spontaneous Ventilation.
- Volume-controlled.
- Pressure-controlled.
- Volume Targeted Pressure controlled
- Apnea Backup Ventilation
- Active Exhalation Valve
- Automatic Leak Compensation
- Tidal volume 20 - 2000 ml or better
- Respiratory rate 0 - 150 bpm.
- Pressure control : 20~60 cm H₂O or better
- Pressure support : 0~60 cm H₂O or better
- Peak flow 1-120lpm or better .
- Inspiratory time: 0.1 ~ 8sec or better
- Oxygen concentration: 21-100%
- Display parameter : Delivered oxygen concentration 21-100%
- Trend data up to 72 hours or more..
- More than 40 parameter display.
- Real time graphic. volume vs time, flow vs time, pressure vs time, flow volume loop, pressure volume loop.
- Comprehensive alarm for patient disconnection. low tidal volume, battery failure, breath rate. low pressure. etc.
- Graphics Display
- Apnea Back-up
- Humidification Selection (HME, Humidifier, and None)
- User Defined Custom Default Settings
- Complete with humidifier. patient circuit disposable 50 nos./unit.
- USA/UK/EEC or equivalent



ENT DEPARTMENT

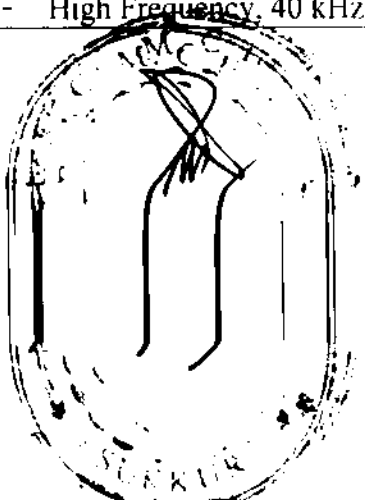
BERA (Brainstem Evoked Response Audiometry)

01

- Residual Noise Calculation, threshold assessment, Threshold & neurological ABR testing
- Bayesian weighting
- Residual noise calculator
- SNR 3:1 ratio calculator
- CR, RA, INC waveform markers
- Normative latency data for click.
- Single/split screen
- Auto probe check
- Validity checkmarks for OAE detection
- Noise sensitivity and rejection
- Stimulus level 0 – 100 dB nHL
- Narrow Band (0.5, 1, 2, 4 kHz)
- Tone Burst stimuli (0.25 – 4kHz)
- Tone Burst stimuli (0.25 – 4kHz)
- Recording window Up to 980 ms
- ABR , Rate Study , ECochG , MLR , ALR , MMN/P300
- Stimulus rate 93 Hz
- Stimulus intensity 30, 35, 40dB nHL
- Test time 120 seconds (default)
- Test montage mastoid or nape
- Test method monaural
- Two channels
- Gain: 80 dB/60 dB
- Frequency response: 0.5 - 5000 Hz
- CMR Ratio: Minimum >118 dB, Typical 130 dB < 100 Hz
- Radio frequency immunity: Typically 25 dB improvement over previous available designs
- Max input offset voltage: 2.5 V
- Input impedance: 10 M Ω / 170 pF
- Impedance measurement: Selectable for each electrode
- Measurement frequency: 33 Hz
- Waveform: Rectangular
- Measurement current: 19 μ A
- Range: 0.5 k Ω – 25 k Ω
- Stimulus rate: 0.1 to 80.1 stimuli per second in steps of 0.1.
- Envelopes/Windows : Bartlett, Blackman, Gaussian, Hamming, Hanning, Rectangle and Manual (Rise/Fall



	<ul style="list-style-type: none"> and Plateau) - Masking: White noise. Calibrated - Transducer - Level: 20 – 135.5 dB peSPL, (-10 – 100 dB nHL) in 1 dB steps. - Polarity: Condensation, Rarefaction, Alternating. - Click: 100 μs (200Hz -11kHz) - Tone Burst Frequency: 250, 500, 750, 1000, 1500, 2000, 3000, and 4000 Hz. - Tone Burst Stimulation Time: Stimulation up to 780 ms - Masking Level: +30dB to -40 dB - Analysis Time: -150 ms prior to stimuli and up to 1050 ms - A/D Resolution: 16 bit. - Sampling frequency 30 kHz - USA/UK/EEC/Japan or Equivalent 		
	<p>Impedance monitor</p> <ul style="list-style-type: none"> - High resolution color display - Patient-centered testing through multiple probe and transducer - Handheld and PC mode - Storage of calibration values in probe and ID-transducers - Tympanometry, ipsilateral and contralateral acoustic reflexes, reflex decay and reflex latency - Eustachian tube function tests. - Endless airflow - Pressure control technology - High resolution recordings and an intelligent pump system with an adaptive speed control around the tympanic peak. - Quick screenings at a single intensity or fast threshold searches - Detailed investigation at the onset of the reflex - LED probe indicator - USA/UK/EEC/Japan or Equivalent 	01	
ORTHOPEDIC DEPARTMENT			
1	<p>Image Intensifier (C-Arm)</p> <ul style="list-style-type: none"> - Surgical C-arm to be used for Cardiology, Orthopedic, Spine, Abdominal, Thorax, and for interventional procedures. - High Frequency, 40 kHz 	01	



- 4 kW or more out put
- Unit should have Excellence in image quality
- Image archiving and communication solutions.
- Orbital rotation range 130° or more
- Manual brakes
- Compact CCD camera
- 9 inches triple field Image Intensifier
- 2 x 19" or more LCD monitors
- Collimator with motorized and rotating iris
- Continuous and real time image rotation without X-Ray emission during fluoroscopy and after exposure.
- Anatomical programs setting.
- Unit should have Automatic fluoroscopy optimization on three x-ray dose levels, low, standard & boosted.

X-Ray Generator

- High frequency 40KHz
- Output power 4 kW or more
- kVP range: 40-120kVp
- Fluoroscopy (mA) 0.1-5mA or more
- Radiography mA 20-100mA

X-Ray Tube:

- Rotating anode X-ray tube
- Two focal spots: small 0.3 mm or more. large 0.6 mm or more
- Anode heat capacity: 200KHU or more
- Target angle 10 ° or better

C-Arm

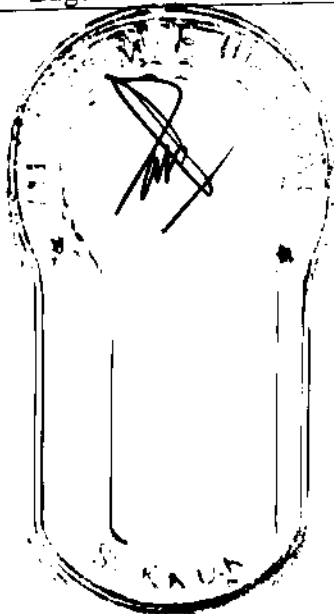
- C-Arm SID : 100 cm or better
- Horizontal travel 200mm or more
- Vertical travel 450mm or more
- Swing : +/-12° or better
- C-Arm rotating +/- 200° or better

Collimator

- Motorized and rotating iris. Automatic aperture to suit Image Intensifier field.

Image Processing

- Digital video memory 1 Live + 110 images memory or more.
- LIH (Last Image Hold)
- Edge enhancement, noise reduction filter



- DICOM to PACS
- DICOM store
- DICOM CD ROM/DVD
- DICOM cine and USB.
- Flash USB or external USB hard disk, LCD display image control

Image Intensifier

- 9" Image Intensifier
- Triple Field with central resolution of 50 Lp/cm.
- Field size 215,160 and 120 mm

CCD Camera

- Full digital, high frequency image data transmission
- Acquisition rate: 25 images/sec.
- A/D Converter : 16 bit
- Resolution : 1024x 1024 or more

LCD Monitor

- Two LCD Monitor's 19" or more
- Unit should be mounted on Cart
- Real time & Post processing software

USA/EEC/Japan or equivalent

GYNAE & OBS DEPARTMENT

1 Ultrasound with linear, vaginal probe

- Trolley mounted ultrasound unit
- Fast image processor and three active connectors.
- Gray shades 256 gray shades or better.
- Frame rate: 60frames /sec or more
- Dynamic range 150dB or more.
- Monitor: 15" or more
- High resolution, Non flicker TFT/LCD/LED.
- Imaging modes: B-mode
- B+M mode
- M-Mode
- 2B-mode
- 4B mode
- Tissue Harmonic image.
- Measurement Packages: Obestratic Measurement Package

01



	<ul style="list-style-type: none"> - Gynecology Measurement Package - Urology Measurement Package - Small parts Measurement Package - Vascular Measurement Package - DICOM 3.0 - PDF report function - 160G hard drive, DVD, 4 USB2.0 ports, DICOM3.0 and AVI/JPG format <p>Complete with the following:</p> <ul style="list-style-type: none"> - Convex probe Multi frequency between 2~6 MHz or better - Linear probe Multi frequency between 5~10 MHz or better - TVS probe Multi frequency between 5~7.5 MHz or better <p>CE and FDA 510K Approved UK, USA, EEC, Japan or FDA 510K approved.</p>		
2	<p>Hysteroscope</p> <ul style="list-style-type: none"> - Telescope 30deg. size 2.9 mm, length 24 cm, with irrigation connector, for use with Examination Sheath and Operating Sheath qty-1. - Continuous-Flow Sheath, size 3.7 mm, length 18 cm, with suction connector qty-1 - Continuous-Flow Operating Sheath, size 4.4 mm, length 16 cm, with channel for semirigid instruments 5 Fr., with 1 stopcock and 1 LUER-Lock adaptor qty-1 - Biopsy and Grasping Forceps, semirigid, double action jaws, 5 Fr., length 34 cm qty-1 - Scissors semirigid, blunt, single action jaws, 5 Fr., length 34 cm qty-1 - Scissors pointed, single action jaws, semirigid 5 Fr., length 34 cm qty-1 - Punch, through-cutting, single action jaws, semirigid, 5 Fr., length 34 cm qty-1 - Biopsy Spoon Forceps, semirigid, double action jaws, 5 Fr., length 34 cm qty-1 - Tenaculum grasping Forceps, double action jaws, semirigid, 4 Fr., length 34 cm qty-1 - Palpation Probe, graduated, double action jaws, 5 Fr., length 34 cm qty-1 - Myoma Fixation Instrument, semirigid, 5 Fr, length 34 cm qty-1 - Bipolar Dissection Electrode, semirigid, 5 Fr., length 36 cm qty-1 	1	



- Needle Electrode, unipolar 5 Fr., length 34 cm qty-1
- Ball Electrode, unipolar, 5 Fr., length 53 cm qty-1
- Polypectomy Loop, unipolar 5 Fr., length 34 cm qty-1
- Unipolar High Frequency Cord, with 4 mm plug, length 300 cm, formodels, Erbe type T, older models and Ellman qty-1
- Bipolar High Frequency Cord, Length 300 cm, for coagulator, andErbe-coagulator, T- and ICC- types Suction and Irrigation Unit qty-1

Suction and Irrigation Unit:

- Suction Irrigation Unit, power supply 100-240 VAC 50/60 Hz,ready, compatible from RUI Release 45 Including:
- Basic Unit, Mains Cord, Connecting Cable, length 100 cm
- Basic Tubing Set, for single use qty-1
- Two-Pedal Footswitch, one-stage qty-1
- Bottle Cap, for suction bottle 1.5 and 5l, sterilizable qty-1
- Suction Bottle, 5l qty-2
- Bottle Stand, for suction bottle qty-1
- Bottle Stand Holder qty-1
- Single-use SUCTION tubing set. For use with Sterile, 10 per pack qty-1
- Single-use IRRIGATION tubing set with two puncture needles. qty-1
- For use with E.A.S.I. Sterile, 10 per pack

Portable camera system for diagnostic/ therapeutic

Procedures:

- Integrated LED, endoscopic video unit for use with all one-chip
- camera heads and video endoscopes, incl. LED-light source, withdigital Image Processing Module, 17"-21" LCD monitor Color Systems
- PAL/NTSC, power supply 100-240 VAC, 50/60 Hz
- Main Cord
- 1-Chip Camera Head with 2 freely programable Camera Headbuttons, Color System PAL, with integrated Parfocal-Zoom focal qty-1
- Fiber Optic Light Cable, with straight connector, extremely heatresistant, diameter 4.8 mm, length 250 cm qty-1
- Rating/Capacity of Eqpt: As Above
- Type : Trolley Mounted (Imported)
- Standard accessories.



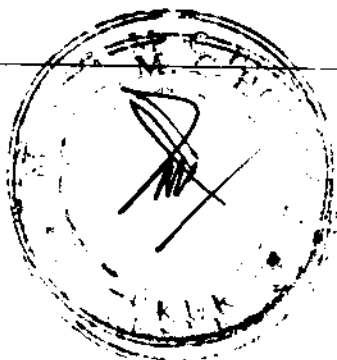
- Hook scissors
- Coagulation and dissecting electrode
- Monopolar high frequency cord
- Bipolar high frequency cord
- Suction and irrigation tube
- HD video system
- Vendors are required to quote a complete working unit in this respect.
- Complete accessories should be mentioned separately such as forceps, trocar, sheeve, scissors & hooks require for gynecology.
- USA/UK/EEC/Japan or Equivalent


OPHTHALMOLOGY DEPARTMENT

1	Appalantion Tonometer <ul style="list-style-type: none"> - Mountable on peg on microscope. - Measuring range : 0-80 mm Hg - Measurement divergence :force Impingement on the measuring prism. - Measuring range from 0 - 58.84 mN - Standard divergence: 0.49 mN =/< 3 s =/< 1.5 % of rated value - USA/UK/EEC/Japan or Equivalent 	1	
2	Prism bar (Horizontal & vertical) <ul style="list-style-type: none"> - Prism bar to diagnose the Binocular Vision of Eye. - Fusional Reserves - Phorias& Squints - Vertical prism bar. with 1/2/3/4/5/6/8/10/12/14/16/18/20/25D - Horizontal prism bar with1/2/4/6/8/10/12/14/16/18 /20/25/30/35/40D/45D - USA/UK/EEC/Japan or Equivalent 	1	
3	Portable Surgical light <ul style="list-style-type: none"> - Intensity : 60,000LUX - 3 Steps of color Temperature : 3,500K/4,000K/4,500K - 3 Dimming Level (30,000 Lux / 45,000 Lux / 60,000 Lux) - Cool Light - Number of LED :8 or more. - Diameter of Head size 25 x 24.6 or more. 	1	



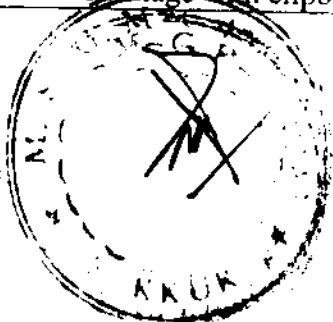
	<ul style="list-style-type: none"> - USA/UK/EEC/Japan or Equivalent 		
	<p>Capnometer</p> <ul style="list-style-type: none"> - Portable 5" touch screen TFT display - 2 trace waveform - Unit must be capable for measurement of ETCO2 for neonatal, pediatric and adult patient. - Method of sampling : side stream or main stream - Sampling rate should be 100Hz or better - Unit complete with - Sample Line (50 pack) - Filter - T Adaptor - Nasal cannula - Adult Airway Adapter 10 nos. - Neonatal Airway Adapter 10 nos. - Trolley - USA/UK/EEC/Japan or Equivalent 	04	
	<p>Defibrillator</p> <ul style="list-style-type: none"> - Biphasic transthoracic (external) defibrillator with display of 5.5" screen or more. - Synchronized output with ECG - Control of energy charges / delivering on main panel and apex paddle. - Charging indicators - The energy range should be adjustable for peads and adults up to 200J or more. - Charging time for full energy should be less than 7 sec. - Display of heart rate, ECG through paddles and lead I,II& III patient cables. - Built-in recorder for printing of full summery of standard 50mm paper. - Alarm for high and low heart rate, low battery warring. - Built in rechargeable battery with charges for more than 100 shocks - Auto test/self-check - External pediatric and adult paddles. - ECG cable - AED facility with cable. - AC 220V/50Hz operated - USA/UK/EEC/Japan or Equivalent 	04	



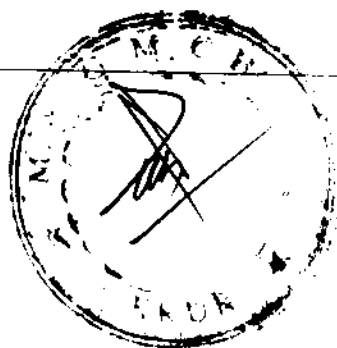
<p>ECG Holter Machine with four recorder</p> <ul style="list-style-type: none"> - Holter recorder with built-in motion sensor - Data Recording: 3- 7Channel for 7days - Multi- level Templates - 4 lead Patient Cable - Rhythm Analysis - Pacemaker Detection and Analysis - Advanced analysis :HRV , HRV - Plus, ST,QT QTcData - Transmission through USB, SD card, Blue tooth - High resolution LCD screen - 2 GB SD card - 16 bit Digital Resolution - Sampling Frequency 2000Hz - With Batteries - USA/UK/EEC/Japan or Equivalent 	01	
<p>Multi parameter monitor</p> <ul style="list-style-type: none"> - Non fade colored touch display monitor up to 12" or more. - Adult, Neonatal & pediatric modes of operation. detection and alarms for all parameters - Waveform display 7 or more. - Wave form trace speed : 25 and 50mm/sec <p><u>ECG</u></p> <ul style="list-style-type: none"> - Leads selection: I, II, III, aVR, aVF, aVL, V, V1-V6, TEST - Selectable neonatal & pediatric operation - Ability to detect neonatal & pediatric heart rate range, qrs widths and amplitudes. - Numeric heart rate - Real time wave form  <ul style="list-style-type: none"> - Variable gain: 0.5,1,2&4 - Heart beat indication <p><u>NIBP</u></p> <ul style="list-style-type: none"> - Pressure ,oscillometric principal. - Systolic , diastolic and mean pressure - Rising cuff/continuous pressure display <p><u>Temperature:</u></p> <ul style="list-style-type: none"> - Numeric temperature selectable - Temperature with probe (external and rectal) - Ability to measure neonate and pediatric temperature range 	04	



	<p>Pulse Oximeter</p> <ul style="list-style-type: none"> - Number oxygen saturation measurement - Range: 0-100% - Sensor for neonate/infant and peditrics - Respiration impedance method using ECG leads for sensing. - Breathing rate range, sweep speed - Selectable apnea alarm - Built-in battery with charger for at least 2 hours or more - The system must be complete with all sensors, probes and cables and accessories required for measuring all above selected parameters for adults/peads and neonatal. - Following parameter should be quoted as optional: 2 -IBP, EtCo2 and cardiac output. <p>USA/UK/EEC/Japan or Equivalent</p>		
RADIOLOGY DEPARTMENT			
	<p>Lead screen 8 x 4' Local</p>	01	
	<p>Lead apron standard sizes</p> <ul style="list-style-type: none"> - 0.35pb lead equivalent - Size: 60x100cm - USA/UK/EEC/Japan or Equivalent 	01	
	<p>Lead glass goggles USA/UK/EEC/Japan or Equivalent</p>	01	
	<p>Ultrasound portable machine</p> <ul style="list-style-type: none"> - Should be of 12-15" with an adjustable screen LCD. - Applications OB, Abdomen ,Urology ,small parts, Vesicular Anesthesia, Emergency, ICU etc - Modes B,2B,M - Should have various examinationmode with alterable preset settings and single button image optimization. - Should be compatible with multiple Regions transducers - Data storage capability with multiple file formats storage systems - Should have USB port for image and reports transportation Should be capable of recording cinematic view of image with clipboard 	01	



	<ul style="list-style-type: none"> - Tissue harmonic imaging - Chroma - Shortcut buttons for calculation - Should be with battery and built-in UPS to provide continuous scanning without electrical supply - Should be complete with: - Convex Probe Multi frequency 3.5MHz-7.5MHz - Linear Probe Multi frequency 3.5MHz- 8MHz - Thermal printer with 5 nos. paper roll. - Trolley (local) - CE and FDA Approved 510K approved 		
	<p>Mammography Machine</p> <ul style="list-style-type: none"> - Analog Mammography machine with auto load bucky. - Carbon fibre magnification platform for 1.6x and 1.8x - Spot paddle assembly . - Adjustable 18 x 24 cm and 24 x 30cm bucky . - compression paddle assembly, vacuum formed. - Footswitches - Back plates - Exposure switch assembly <p><u>C-Arm</u></p> <ul style="list-style-type: none"> - Motorized, isocentric C-arm rotation - Dual control panels - SID 65 cm or better - C-arm angulation from -135° to +180 ° or better - C-arm vertical travel from 75 to 135 cm or better - Digital display of projection angle and average glandular dose (AVG) - Dual control buttons for rotation and vertical travel - Motorized beam collimation with LED illumination - Chin guard <p><u>Generator</u></p> <ul style="list-style-type: none"> - High frequency constant potential microprocessor controlled generator - Anode current : Large focus : maximum 120 mA, Small focus : maximum 42 mA - 5-600 mAs - Automatic line voltage compensation - Exposure Control Modes - AEC and manual mode 	1	



X-Ray Tube

- High Speed Bi-angular, rotating anode
- Anode rotation speed 9700 rpm or better
- 0.1/0.3 mm focal spot, 300 000 HU
- Dual motorized filters: 30 µm Mo and 0.5 mm Al
- Motorized diaphragms, built-in spot collimator

Compression

- Digital display of compression force and breast thickness
- Adjustable compression force limit and digital display
- Motorized compression with selectable speed levels
- Fine-tuned compression adjustment
- Automatic or manual release of the compression

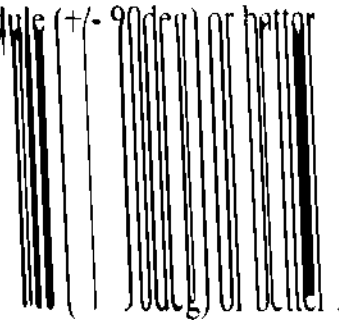
Bucky

- Manual cassette loading and unloading
- Microprocessor controlled precise grid movements
- 36 l/cm; 5:1 grid ratio

USA/UK/EEC/Japan or equivalent

Portable X-Ray 100mA

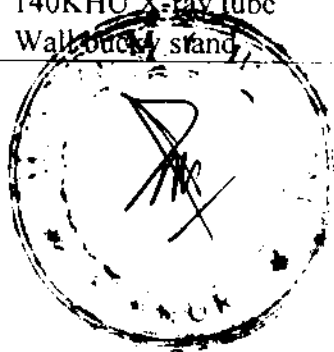
- High frequency X-Ray inverter type Generator
- Having output power of 4kW or more
- X-Ray tube protections, KVP range: 40-110kV or more
- MA Range: 10-100mA or better, mAS range: 1.0-200mAs or better
- Centering light indicator
- Standard power supply cable,
- X-ray exposure switch cable,
- Vertical movement of the Arm to lower or raise the tube collimator assembly
- Rotation of the Collimator with reference to the power module (+/- 90deg) or better



- USA/UK/EEC/Japan or equivalent

300ma X-Ray Machine

- 30 kW or more High frequency X-Ray Generator
- 4 ways floating top table with fixed height
- Floor mounted tube stand
- Manual collimator
- 140KHU X-ray tube
- Wall-bucky stand



	<ul style="list-style-type: none"> - Pair of HT cables 10m or more. - Radiographic kVp 40-125kV or more in one kV step. - Radiographic mA 10-300Ma or better. - mAs range: 0.4-500mAs or more. - Exposure time: 1 ms - 10s - 2 point kVp and mAs selection. 3 point kVp, mA & time selection. - 400 or more Anatomical program. - Electromagnetic brakes - Longitudinal and lateral travel movement for table bucky. - Longitudinal bucky travel. - Cassette size : 18 x 24 to 35x43cm. - Moving grid 8:1 or better - Foot switch for electro magnetic brake control. - Tube support balancing System with counterweights and Electromagnetic brakes. - Control panel with push button to control vertical, longitudinal and transverse travel. - Column rotation +/-90deg or better. - Multi leaf Manual collimator. - LED light indicator for alignment with bucky. - Chest bucky stand with the cassettes formats from 18X24 to 35X43 on either orientation. - Moving Potter Bucky super speed. - Vertical travel of bucky not less than 150cm. - Moving grid: 8:1 ratio. - Dual Focal X-ray tube : Small focus 1.0 mm and Large focus 2.0 mm. - Maximum Tube voltage 125KVp and Anode Heat capacity 140 KHU. - USA/UK/EEC/Japan or equivalent 		
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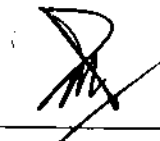
GENERAL ITEMS

	<p>HOSPITAL FOWLER BEDS 2 CRANK Lying area size: 80 x 36 inches with frame of 16SWG square pipe Lying area in two sections from 20WSG reinforced steel strips Bed height adjustable by means of a screw crank Full fowler adjustment with the help of two screw cranks All four corner full time buffer protection</p>	50	
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	<p>Head and foot panels of 1½" 16SWG pipe, easily removable Complete with urine bag holders, mattress holders & IV pole holders Mobile on 5" dia. rubber castors (two diagonally lockable) Powder coated epoxy paint finish</p>		
	<p>Bedside locker Made of electrolytic galvanize sheet of 20 SWG Single drawer with full extension Cabinet having magnetic catcher on door Cabinet with recessed shelf for water bottle storage Fibre glass cabinet top with profiled edges Inbuilt steel sheet handles Mobile on 50mm dia. castors. Complete plastic resin coated finish Powder coated epoxy paint finish</p>	100	
	<p>MATTRESS WITH RE-ENFORCEMENT & WATER PROOF COVERING (GOOD QUALITY) COVERING (GOOD QUALITY) Size: 78" x 36" x 4"</p>	50	

Signature of tenderer : _____



Name & Designation : _____

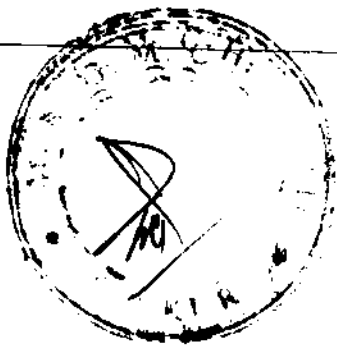
Medical Superintendent
GMC Hospital Sukkur

Address: _____



FINANCIAL OFFER

S.No.	Equipment description	Qty	Unit Price		Total Price	
			C&F	DDP	C&F	DDP
PLASTIC SURGERY DEPARTMENT						
	Plastic Surgery set	01				
PAEDS DEPARTMENT						
	Pulse Oximeter	01				
	Infusion pump	01				
	Transport incubator	01				
	Ventilator	01				



ENT DEPARTMENT

BERA

01

Impedance monitor

01

ORTHOPEDIC DEPARTMENT

Image Intensifier

01

GYNAE & OBS DEPARTMENT

Ultrasound with linear, virginal probe

01

Hysteroscope

01

Calposcope

01



Laproscope

01

OPHTHALMOLOGY DEPARTMENT

Appalantion Tonometer

01

Prism bar (Horizontal & vertical)

01

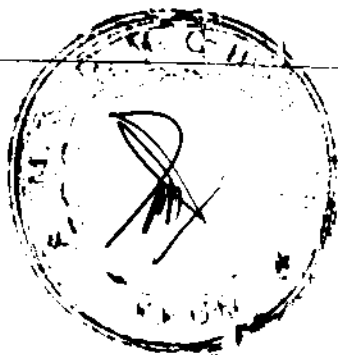
Portable Surgical light

01

ANESTHESIA DEPARTMENT

Anesthesia machine trolley mounted
with ventilator

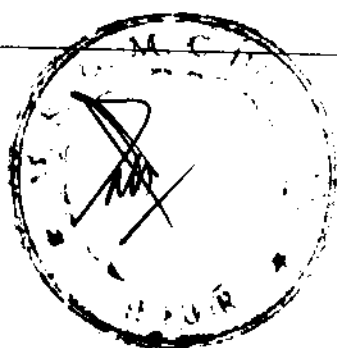
04



Capnometer	04				
Defibrillator	04				
ECG Holter Machine with four recorder	01				
Multi parameter monitor	04				

RADIOLOGY DEPARTMENT

Lead screen 8 x 4'	01				
Lead apron standard sizes	01				




Lead glass goggles	01				
Ultrasound portable machine	01				
Mammography Machine	01				
Portable X-Ray 100mA	01				
300mA X-Ray Machine	01				

GENERAL ITEMS

Iron Beds	50				
Bedside locker	100				



	Mattress	50				
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Signature of tenderer : 
Name & Designation : Medical Superintendent
GMC Hospital Sukkur
Address: _____

