

**SHAHEED MOHTARMA BENAZIR BHUTTO CARDIAC
CARE HOSPITAL TANDO MUHAMMAD KHAN**

**PURCHASE OF MEDICAL EQUIPMENTS / MACHINERY FOR
SHAHEED MOHTARMA BENAZIR BHUTTO CARDIAC CARE
HOSPITAL TANDO MUHAMMAD KHAN (SMBBCCH-TMK)”**

TENDER DOCUMENTS

**OFFICE OF THE DEPUTY COMMISSIONER TANDO
MUHAMMAD KHAN / SECRETARY PETROLEUM SOCIAL
DEVELOPMENT COMMITTEE**

INVITATION FOR BIDS

The Deputy Commissioner Tando Muhammad Khan/ Secretary Petroleum Social Development Committee (hereinafter called "Procuring Agency") has received an allocation from the Public Fund in Pak rupees towards the cost of "Establishment of Shaheed Mohtarma Benazir Bhutto Cardiac Care Hospital at Tando Muhammad Khan (SMBBCCH-TMK)". It is intended that part of the proceeds of this allocated fund will be applied to eligible payments under the contract for **"PURCHASE OF MEDICAL EQUIPMENTS / MACHINERY FOR SHAHEED MOHTARMA BENAZIR BHUTTO CARDIAC CARE HOSPITAL TANDO MUHAMMAD KHAN (SMBBCCH-TMK)"**.

Terms & conditions;

1. Bidding will be conducted as Single Stage – Two Envelope Procedure as per SPPRA Rules 2010.
2. Interested bidders/suppliers should submit following documents;
 - a) Copy of NTN Certificate and Sales Tax Certificate
 - b) Copy of ISO Certificate of bidding firm.
 - c) Financial Turn Over of last 3 years (Bank statement or Current Bank Certificate)
 - d) Undertaking affidavit that the firm has never been black listed by any agency or in litigation with any agency.
3. Interested eligible bidders can purchase the bidding documents at the office address mentioned below up to 17-12-2016 during working days/hours only.
4. The bidding documents can be purchased by interested bidders on the submission of a written application to the undersigned and upon payment of a nonrefundable fee of Rs. 2000/-
5. Bids must be accompanied by a bid security of amount 2% of total quoted bid price in shape of Pay Order/ Bank Draft in favor of Project Director Shaheed Mohtarma Benazir Bhutto Cardiac Care Hospital at Tando Muhammad Khan.
6. A Pre-Bid Meeting shall be held on 07-12-2016 at address mentioned in the tender documents
7. Sealed bids in shape of Technical & Financial Proposal must be submitted at below mentioned address latest by 19-12-2016 upto 01:00 pm. Initially only Technical Bids will be opened on the same day at 01:30 pm in the presence of members of Tender Committee and bidders who wish to attend the proceedings. The date of Financial Bid opening will be communicated later to bidders who stand qualified after evaluation of Technical Proposals.
8. The Evaluation Criteria is attached in Tender Documents. The bidders must secure 60 marks to qualify in Technical Evaluation.
9. Bidders are required to comply all the clauses mentioned in the Terms and Conditions of the Tender and any deviation will forbid them from competing in the bidding process.
10. Warranty of the complete package should be 1 Year comprehensive including spare parts, X-ray Tube, Detector, Ultrasound Probes etc and service

Tender Documents issued to: _____

Issued by: _____

Date: _____

Official Seal: _____

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PART – I

BIDDING PROCEDURE

SECTION - I

INSTRUCTIONS TO BIDDERS

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INSTRUCTIONS TO BIDDERS

A. Introduction

The Deputy Commissioner Tando Muhammad Khan /Secretary Petroleum Social Development Committee intends to purchase Medical Equipments & Machinery for Shaheed Mohterma Benazir Bhutto cardiac Care Hospital Tando Muhammad Khan

01. Source of Funds

1.1 Government of Sindh.

02. Eligible Bidders

2.1 The invitation for Bids is open to all suppliers having Pakistani Nationality.

03. Eligible Goods and Services

3.1 The Goods and related services to be supplied under the contracts (such services here in after referred to services) shall have their origin and all expenditures made under the contract will be limited to such articles.

3.2 For purpose of clause 3.1 above 'origin' shall be considered to be the place where the Goods, Goods are mined, Grown, produced through manufacturing, processing or substantial and major assembling of components, a commercially recognized products results that is substantially different in basic characteristics or in purpose of utility from its components.

04. Cost of Bidding / Contract

4.1 The Bidder shall bear all costs associated with the Preparation and delivery of its Bid/ Contract, and the Purchaser will in no case be responsible or liable for those costs.

05. Assurance

5.1 The successful bidder will be required to give satisfactory assurance of its ability and intention to deliver the goods and services pursuant of the contract, within the time set forth therein.

B. The Bidding Document

06. Contents of Bidding Documents

6.1 The Goods and Service required, bidding procedures and contract terms are prescribed in the bidding documents. In addition to the invitation for Bids, the bidding documents include.

- (a) Instructions to Bidders.
- (b) General Conditions of Contract (GCC)
- (c) Special Conditions of Contract (SCC)
- (d) Technical Specification
- (e) Sample Forms.
- (i) Bid form and Price Schedule
- ii) Bid Security Form
- iii) Contract form.
- iv) Performance Security Form.
- v) Bank Guarantee Form for Advance Payment.
- vi) List of Member eligible member Countries.

6.2 The Bidder is expected to examine the Bidding Documents, including all instructions, forms, terms, specifications. 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 result in the rejection of Bid.

07. Clarification of Bidding Documents

7.1 Prospective Bidders requiring any further information or clarifications of the Bidding Documents may Notify the Purchaser in writing or by Telex or by Cable at the Purchaser's mailing Address indicated in the Bidding Documents prior to the deadline for the submission of Bid prescribed by the Purchaser. The Purchaser's response (including an explanation for the query) will be sent in writing to all prospective Bidders who have received the Bidding Documents.

08. Amendment of Bidding Documents

- 8.1 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, modify the Bidding Documents by amendments.
- 8.2 The amendment shall be the part of the Bidding Documents, pursuant to clause 8.1 will be notified in writing to all prospective Bidders who have received the Bid Documents, and will be binding on them. The Bidders will be required to acknowledge receipt of any such amendment to the Bid Documents.
- 8.3 In order to afford prospective Bidders reasonable time in which to take amendment into account in preparing their Bids, the Purchaser may, at its discretion, extend the deadline for the submission of Bids.

09. Language of Bid

- 9.1 The Bid prepared by the Bidder, and all correspondence and documents relating to the Bid exchanged by the Bidder and the Purchaser, shall be written in the English Language. Any printed literature furnished by the Bidder may be written in Urdu, Sindhi and English languages, provide that Urdu and Sindhi literature is accompanied by an English translation, in which case, for purpose of interpretation of the Bids, the English translation shall govern.

C. Preparation of Bids

10. Documents Comprising the Bid

- 10.1 The Bid prepared by the Bidder shall comprise the following components.
 - (a) A bid form and price schedules completed in accordance with clause 11,12 and 13
 - (b) Documentary evidence establishing in accordance with clause 14 that the Bidders is eligible to Bid and that the articles to be supplied and the Services to be provided by the Bidder are eligible under Contract.
 - (c) Documentary evidence establishing in accordance with clause 15, that the Bidder is qualified to perform the Contract if it's Bid is accepted.
 - (d) Documentary evidence establishing, in accordance with clause 16, that the articles to be Supplied by the Bidder confirms to the Bidding Documents.
 - (e) Bid Security furnished in accordance with clause 17 of this Document.

11. Bid Form

- 11.1 Bidder shall complete the Bid Form and the appropriate price schedules furnished in the Bidding Documents.

12. Bid Prices

- 12.1 The bidder shall complete the appropriate Price Schedules included herein, stating the unit prices, total price per item, the total amount and the expected countries of origin and Make/Model of the Goods and Services to be supplied under the Contract..
- 12.2 Prices quoted by the bidder shall remain fixed and valid until completion of the Contract performance and will not be subject to variation on any account except as provided for the General Conditions of Contract or if applicable, adjustments authorized in accordance with the price adjustment provisions specified in the Special Conditions of Contract.

13. Bid Currencies

- 13.1 Prices shall be quoted in Pak Rupees.

14. Documents Establishing Eligibility of the Bidder, Goods and Services

- 14.1 The bidder shall furnish, as part of its Bid, certification establishing both the bidder's eligibility to bid and that the origin of the Goods and Services is an eligible source country, pursuant to Clauses 2 and 3.

15. Documents Establishing the Bidders Qualification to Perform the Contract

- 15.1 The documentary evidence of the bidder's qualifications to perform the Contract, if its Bid is accepted, shall establish to the Purchaser's satisfaction prior to award of Contract:
- a. that, in the case of a bidder offering to supply Goods under the Contract which the bidder did not manufacture or otherwise produce, the bidder has been duly authorized by the Goods' manufacturer or produce to supply the Goods to or in the Purchaser's country;
 - b. that the bidder has the financial, technical, and production capability necessary to perform the Contract.

16. Documents Establishing Goods, Eligibility & Conformity to the Bidding Documents

- 16.1 The Documentary evidence of conformity of Goods and Services to the Bidding Documents may be in the form of literature, drawings and data and shall consist of:
- a) A detailed description of the Good's essential technical and performance characteristics.
 - b) A detailed schedule of work under the contract (dispatch/work schedule) outlining key activities and critical items on the schedule which could influence the contract completion date.
 - c) a list, giving full particulars, including available sources and current prices, of all spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods, for a period of (two years); and
 - d) a clause-by-clause commentary on the specifications, demonstrating the Goods' responsiveness to those Specifications or a statement of deviations and exceptions to the provisions of the Specifications.
- 16.2 For purposes of the commentary to be furnished pursuant to sub-clause (d) above, the Bidder shall Note that standards for workmanship, material and goods, and reference to brand names or catalogue numbers, designated by the purchaser in the specifications are intended to be descriptive only and not restrictive. The Bidder may substitute other authoritative standards, brand names or catalogue numbers in its Bids provided that it demonstrates the Purchaser's satisfaction that the substitutions are equivalent or superior or those designated in the specifications, except if the specifications specifically provide otherwise.
- 16.3 In order to prove that the Goods offered are of acceptable quality and standard, the bidders shall furnish the documentary evidence that the Goods offered have been in production for several years and reasonable units of similar capacity have been sold and have been in operation satisfactorily to the end users.

17. Earnest Money

- 17.1 Pursuant to Clause 12, the bidder shall furnish, as part of its Bid, a bid security in the amount of two percent (2%) of the offered value.
- 17.2 The Bid security shall be denominated in the currency of the Bid. It shall be valid for thirty (30) days beyond the validity of the Bid and shall be in form of Pay Order/Demand Draft/Bank Guarantee.
- 17.3 Any Bid not secured in accordance with clauses 17.1 and 17.2 above will be rejected by the Purchaser as Non-responsive, pursuant to Clause 18.
- 17.4 An unsuccessful Bidder's bid security will be discharged /returned as promptly as possible upon award of Contract, but in any event Not later than thirty (90)

days after the expiration of the period of bid validity prescribed by the Purchaser, pursuant to Clause-20.

17.5 The successful bidder's bid security will be discharged/returned upon the bidder's executing the Contract, and furnishing the performance security, pursuant to Clause 36.

17.6 The bid security may be forfeited:

(a) if a bidder withdraws its Bid during the period of bid validity specified by the bidder on the Bid Form; or

(b) in the case of a successful bidder, if the bidder fails

i. to sign the Contract in accordance with Clause-35; or

ii. (ii) to furnish the performance security in accordance with Clause-36

18. Period of Validity of Bid and alternative Bids

18.1 Bids shall remain valid for Not less than 90 days after the date of Bid closing prescribed by the Purchaser pursuant to clause-21

18.2 Notwithstanding clause-18.1 above, the Purchaser may solicit Bidder's consent to extend of the period of Bid validity. The request and the responses thereto shall be made in writing (or by Cable or Telex). If the Bidder agrees to extend request, the validity of the Earnest Money provided under clause-17 shall also be suitably extended. A Bidder may refuse the request without forfeiting his Earnest Money. A Bidder granting the request will not be required or permitted to modify its Bid.

18.3 Bidders may submit Alternative Bids, which do not conform to the Specifications of Goods but meet the performance prescribed in, or the objectives of the Specifications. However, only the Alternative Bids of the bidder whose main Bid is the lowest evaluated substantially responsive Bid will be considered. If a bidder wishes to have its Alternative Bid or Bids considered on an equal basis with all other main Bids, it shall submit a bid Earnest Money to each Alternative Bid. All Alternative Bids submitted in this manner will be treated as main Bids. Alternative Bid must be submitted in a sealed envelope clearly marked "Alternative Bid", separate from the main Bid.

19. Format and Signing of Bid

19.1 The original Bid Form and accompanying Documents (as specified in clause-11) clearly marked "Original" plus "Duplicate" copies (if required) must be received by the Purchaser at the date, time and space specified pursuant to clauses 20 & 21. In the event of any discrepancy between the Original and Duplicate, the Original shall govern.

19.2 The Bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to sign on behalf of the Bidder. Such authorization shall be indicated by written power-of-attorney accompanying the Bid. All pages of the Bid, except for un-amended printing literature, shall be initialed by the person or persons signing the Bid. The name and position held by each person's signing must be typed or printed below the signature.

19.3 The Bid shall contain no. interlineations, erasures or overwriting except as necessary to correct errors made by the Bidders, in which case such correction shall be initiated by the person or persons signing the Bid.

D. Submission of Bids

20. Sealing and Marking of Bid

20.1 The Bidder shall seal the Bid in separate envelopes duly marking the envelopes as "Technical Bid" & "Financial Bid" in bold letters. Both envelopes shall be sealed in an outer envelope.

20.2 This outer envelope shall be addressed to following address clearly mentioning the name of work:

Office of

The Deputy Commissioner

Tando Muhammad Khan

Phone 022-3341009
Fax 022-3340292

- 20.3 The Envelope should contain at the left corner:
DO NOT OPEN BEFORE (date & time of opening of Bids given in Bid Notice)
- 20.4 In addition to the information required in clause-22 the inner envelopes shall indicate the name and address of the Tenderer to enable the Purchaser to return the un-opened Bid in case it is declared "**Late**" pursuant to clause-23

21. Deadline for Submission of Bids

- 21.1 The Original Bid together with the Duplicate must be received by the Purchaser at the address specified in clause-20.2 not later than the time specified for submission of Bid as in the Bid Notice.
- 21.2 The Purchaser may, at its discretion, extend the deadline for the submission of Bid by amending the Bidding Documents in accordance with clause-08, in which all rights and obligations of the Purchaser and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

22. One Bid per Bidder

- 22.1 Each bidder shall submit only one Bid either by itself, or as a partner in a joint venture. A bidder who submits or participates in more than one Bid (except alternative Bid pursuant to Clause 18.3) will be disqualified.

23. Late Bids

- 23.1 Any Bid received by the Purchaser after the deadline for submission of Bids prescribed by the Purchaser, pursuant to clause-21 will be declared "**Late**" and rejected and may be returned unopened to the Bidder.

24. Modification and withdrawal of Bids

- 24.1 The Bidder may modify or withdraw its Bid after the Bids submission provided that written Notice of the modification or withdrawal is received by the Purchaser prior to the deadline prescribed for submission of Bids.
- 24.2 The Bidders modification or withdrawal Notice shall be prepared, sealed, marked and dispatched in accordance with the provisions of clause-20. A withdrawal Notice may also be sent by Telex or Cable but must be followed by a signed confirmation copy.
- 24.3 No Bid may be modified subsequent to the deadline for submission of Bids.
- 24.4 No Bid may be withdrawn in the interval between the deadline for submission of Bids and the expiration of the period of Bid validity specified by the Bidder of the Bid Form.

25. Bid Opening and Evaluation

- 25.1 The Purchase Committee will initially open Technical Bids only in the presence of Bidder's authorized representatives who choose to attend, at the day, time and place of opening of Bids (as prescribed in the invitation for Bids).
- 25.2 The envelope marked "**Financial Bid**" shall be retained in the custody of Purchaser without being opened till the completion of the Technical Evaluation.
- 25.3 Financial Bid Opening Date & Time shall be communicated bidders who have qualified Technical Evaluation. At the time of Financial bid opening the Bidder's name, prices of bids, all discounts offered, modifications and withdrawals, and the presence or absence of the requisite Earnest Money/Bid Security, and such other details as the Purchaser, at its discretion, may consider appropriate will be announced and recorded at the time of Financial Bid opening.
- 25.4 Information relating to the examination, clarification, evaluation and comparison of Bids and recommendation for the award of a contract shall not be disclosed to bidders or any other persons not officially concerned with such process. Any

effort by a bidder to influence the Purchaser's processing of Bids or award decisions may result in the rejection of the bidder's Bid.

26. Clarification of Bids

- 26.1 To assist in the examination, evaluation, and comparison of Bids, the Purchaser may, at its discretion, ask the Bidder for clarification of its Bid, if any. All responses to request for such clarification shall be in writing and no change in the price or substance of the Bid shall be sought, offered or permitted.

27. Preliminary Examination

- 27.1 The Purchaser or his nominee will examine the Bids to determine whether:
- (a) They are complete in all respect;
 - (b) Computational errors, if any have been made;
 - (c) Required Sureties have been furnished;
 - (d) Documents have been properly signed; and
 - (e) Bids are generally in order.
- 27.2 Arithmetical errors will be rectified on the following basis. If there is any discrepancy between the unit Price and the total cost that is obtained by multiplying the unit price and quantity, unit price shall prevail and the cost will be corrected. If there is a discrepancy between the total bid amount and the sum of total costs for each package, the total cost shall prevail and the total bid amount will be corrected.
- 27.3 Prior to the detailed evaluation, pursuant to clause-28, the Purchaser will determine the substantial responsiveness of each Bid to the Bidding Documents including production capability and acceptable quality of goods offered pursuant to Clause 16.2 A substantially responsive Bid is one, which conforms to all the terms and conditions of the Bidding Documents without deviation.
- 27.4 A Bid determined as not substantially responsive will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

28. Evaluation and Comparison of Bids

- 28.1 The Purchaser will evaluate and compare the Bids previously determined to be substantially responsive pursuant to clause-27:
- 28.2 The Purchaser's evaluation of a Bid will exclude and not take into account:
- (a) in the case of Goods partially or wholly manufactured within the Purchaser's country or Goods of foreign origin already located in the Purchaser's country, sales and other similar taxes which may be levied on the finished Goods if the Contract is awarded to the bidder;
 - (b) in the case of Goods to be offered from outside the Purchaser's country, customs duties and other similar import duties and taxes which may be levied on the Goods if the Contract is awarded to the bidder; and
 - (c) the Purchaser's evaluation of a Bid will take into account, in addition to the bid price, the following factors, in the manner and to the extent indicated in this clause:

i) Contractual and Commercial Deviations:

The cost of all quantifiable deviations and omissions from the contractual and commercial conditions shall be evaluated. The Purchaser will make its own assessment of the cost of any deviations for the purpose of ensuring fair comparison of Bid.

ii) Work Schedule:

The Goods covered by this bidding are required to be delivered and installed in accordance with and completed within the Work Schedule specified in the Special Conditions of Contract. Bidders are required to base their prices on the specified Work Schedule. No. credit will be given to earlier completion. Bids offering late work schedules will be accepted but the Bids shall be adjusted in the evaluation by adding at

the rate of (0.05 per cent) of the bid price for each day of delay to bid price. Bids offering work schedules beyond the date specified in the Special Conditions of Contract shall be rejected.

iii) Operating Costs:

Since the operating costs of the Goods being procured form a major part of the life cycle cost, these costs will be evaluated and based on prices furnished by the Bidder as well as on past experience of the Purchaser or other purchasers similarly placed. Such costs shall be added to the bid price for evaluation.

The operating cost factors for calculation are:

- i. number of years for initial period of operation (*It is recommended that the initial period of operation not exceed the usual period before a major overhaul of the Goods. Usually between five to ten years.*)
- ii. operating costs (e.g. fuel and/or other input, unit cost, annual and total operational requirements).
- iii. rate, in percent, to be used to discount to present value all annual future costs calculated under (ii) above for period specified in (i).

iv) Functional Guarantee of the Goods:

- (a) Bidders shall state the functional guarantees (e.g. performance, efficiency, consumption) of the proposed Goods in response to the Technical Specifications. Goods offered shall have a minimum (or a maximum, as the case may be) level of functional guarantees specified in the Technical Specifications to be considered responsive. Bids offering Goods with functional guarantees less (or more) than the minimum (or maximum) specified shall be rejected.
- (b) For the purposes of evaluation, an adjustment of (*indicate factor*) will be added to the bid price for each drop (or excess) in the responsive functional guarantees offered by the Bidder below (or above) the value specified in the Technical Specifications.

v) Local Handling and Transportation:

For Goods offered from outside the Purchaser's Country, the cost of local handling and transportation from the port of entry to the Purchaser country, similar cost from the warehouse/factory to the Purchase's store will be added to the bid price for evaluation.

29. Contacting the Purchaser

- 29.1 Subject to clause-20, no Bidder shall contact the Purchaser on any matter relating to its Bid, in between Bid Opening and Contract Award period.
- 29.2 Any effort by a Bidder to influence the Purchaser in the Purchaser's decisions in respect of Bid Evaluation, or Contract Award will result in the rejection of that Bidder's Bid.

30. Purchaser's Right to accept any Bid and to reject any or all Bids

- 30.1 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 of the grounds for the Purchaser's action.

F. AWARD OF CONTRACT/(S)

31. Post Qualification

- 31.1 The Purchaser will determine to its satisfaction the Bidder selected as having submitted the lowest-evaluated / quality-evaluated / requirement-evaluated responsive Bid is qualified to satisfactorily perform the Contract.
- 31.2 The determination will take into account the Bidder's financial, technical and production after sales Service capabilities. It will be based upon an examination

of the Documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to clause-15, as well as such other information as the purchaser deems necessary and appropriate.

- 31.3 To verify its technical capability, the Bidder must provide with its bid Documentary evidence that the items offered have been in production for at least five (5) years and that a minimum of fifty (50) units of similar capacity have been sold (list of consignees should be attached) and have been in operation satisfactorily for at least 12 months.

32. Award Criteria

- 32.1 An affirmative determination will be prerequisite for award of the Contract to the Bidder. A negative determination will result in rejection of the Bidder's Bid.
- 32.2 The Purchaser will award the Contract to the successful Bidder / Bidders whose Bid / Bids has / have been determined to be the lowest evaluated / quality evaluated / requirement evaluated responsive Bid, provided further that Bidders determine to be qualified to satisfactorily perform the Contract.

33. Purchaser's Right to Vary Quantities at Time of Award

- 33.1 The purchaser reserves the right at the time of award of Contract to increase or decrease the quantity of Goods as specified in the specifications without any change in unit prices of other terms and conditions.

34. Notification of Award

- 34.1 The Purchaser will Notify the successful Bidder in writing by registered letter, or by Cable to be confirmed in writing by registered letter that his Bid has been accepted and on which basis the Bid has been accepted.
- 34.2 The Notification of Award will constitute the formation of a Contract until the Contract has been effected pursuant to clause-35.

35. Signing of Contract

- 35.1 At the time of Notification of award, the Purchaser will send the successful Bidder the Model Contract Document provided in these Bidding Documents, incorporating all agreement between the parties.
- 35.2 Within thirty (30) days of receipt of such Contract Form, the successful Bidder shall sign and date the Contract and return it to the Purchaser.

36. Performance Security

- 36.1 Within the Seven (7) days of the receipt of Notification of award from the Purchaser, the Bidder shall furnish the performance Security, in accordance with the conditions of Contract, in the Performance Security Form provided in the Bidding Documents or any other form acceptable to the Purchaser.

37. Integrity Pact

- 37.1 Procurements exceeding Rs. 10 million for goods and works, shall be subject to an integrity pact, as specified by regulations, between the procuring agency and the suppliers or contractors in accordance with the SPPRA rule no. 89.

SECTION-II

BID DATA SHEET (BDS)

The following specific data for the goods/equipments to be procured shall complement, supplement, or amend the provision in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

Introduction		
ITB. 1.1	Name of Contract	Purchase of Medical Equipments & Machinery for Shaheed Mohtarma Benazir Bhutto Cardiac Care Hospital Tando Muhammad Khan
ITB. 22.2	Name of Purchaser	Deputy Commissioner Tando Muhammad Khan / Secretary Petroleum Social Development Committee
ITB. 22.2	Purchaser's Address	Office of Deputy Commissioner Tando Muhammad Khan Phone 022-3341009 Fax 022-3340292
ITB. 1.1	Language of Bid	The Bid prepared by the Bidder, and all correspondence and documents relating to the Bid exchanged by the Bidder and the Purchaser, shall be written in the English language. Any printed literature furnished by the Bidder may be written in another language, provided that this literature is accompanied by the English translation, in which case, for purpose of interpretation of the Bids, the English Translation shall govern.
Bid Price & Currency		
ITB. 12.2	Price Quoted	Delivered Duty Paid (DDP) at Consignee End
ITB. 12.3	Bid Price	Fixed
ITB. 13.1	Bid Currency	Pak Rupees
Bid Submission		
ITB. 19.1	Bid Security	2% of the quoted bid price
ITB. 18	Bid Validity	90 days
ITB. 20	Number of Copies	One original + 1 copy of Technical Bid and One original copy of Financial Bid
ITB. 7.1	Clarification of Bidding Documents	At least Seven (07) calendar days prior to the date of opening of bid
ITB 20.2	Address for bid submission	Office of Deputy Commissioner Tando Muhammad Khan Phone 022-3341009 Fax 022-3340292
ITB. 21	Deadline for bid submission	Date 19-12-2016 Time 01:00 pm
ITB. 21.1	Date, time and place of bid opening	Date 19-12-2016 Time 01:30 pm Place: Office of Deputy Commissioner Tando Muhammad Khan Phone 022-3341009 Fax 022-3340292
	Pre-Bid Meeting	Date 07-12-2016 Time 11:00 am Place: Office of Deputy Commissioner Tando Muhammad Khan Phone 022-3341009 Fax 022-3340292

Contract Award		
ITB. 33	Purchaser's right to increase or decrease the quantities	The Purchaser reserves the right to increase or decrease the quantities of articles to be procured, at the time of award of Contract as per SPP Rules, 2010
ITB. 37	Integrity Pact	Bidder/Contractor shall be bound to sign an integrity pact if Bid amount is exceeding Rs. 10 million for goods and works,

1. All offers be made as per format of Price Schedule of this document. Additional Pages may be used, if needed. ***In order to facilitate Bidders, a price schedule (containing the specifications & quantities of required items) has been provided at Section-IX.***
2. Prices quoted to cover all expenses including Freight, Taxes, and Insurance etc.
3. Goods/equipments will be required to be delivered as per schedule and at Consignee End.

SECTION-III
QUALIFICATION & EVALUATION CRITERIA

Qualification		
ITB. 16	Criteria	Marks
	1. Copy of ISO 9000 or higher Certification issued in the name of bidder	[10 Marks]
	2. The Bidder must have installed at least 5-Units of same equipment in Pakistan and must bring satisfactory recommendation letters from at least 5 local users along with installation certificates. [5 marks for each previous client/user]	[30 Marks]
	3. Copy of NTN & Sales Tax Certificate	[10 Marks]
	4. Bidder must provide details of following;	
	4.1 Number of engineers [5 marks for each Engr]	[10 Marks]
	4.2 Details of foreign training of engineers [5 marks for each foreign training]	[10 Marks]
	4.3 List of test equipment, [2 marks for each equipment]	[10 Marks]
	5. Financial Turnover of last 3 years and attached Current Bank statements [1 mark for every Rs. 1 million in bank account]	[10 Marks]
	6. The bidder shall submit an UNDERTAKING on Non-judicial stamp paper of Rs.50/= duly attested by Oath Commissioner, stating that the equipment will be supplied is the brand new and of latest version / model, free from defects in design material and workmanship and will bind himself for availability of spare parts for a period of 10 years from the date of supply. In case of winding up of his business, the supplier shall be bound to make an alternate arrangement of spare-part and maintenance of equipment. In case of default, depreciated cost of equipment will be recoverable from him.	[10 Marks]
	7. Undertaking/affidavit on stamp paper that the firm is not involve in any litigation / arbitration or has not abandoned any work or has never been black-listed in any department	[No marks but mandatory to provide]

Note: The bidders must secure **60 Marks** in order to qualify Technical Evaluation

SECTION-IV
BIDDING FORMS

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BIDDING FORMS

Bid Submission Sheet

Date: _____
Invitation for Bid No: _____

To,
Deputy Commissioner Tando Muhammad Khan /
Secretary Petroleum Social Development Committee

We, the undersigned, declare that:

- a. We have examined and have no reservations to the Bidding Document, including Addenda No. _____;
- b. We offer to supply in conformity with the Bidding Document and in accordance with the delivery schedule specified in the Schedule of Supply, the following Goods _____ and _____ Related Services: _____;
- c. The total price of our Bid, excluding any discounts offered in item (d) below is: _____;
- d. The discounts offered and the methodology for their application are: _____

_____;
- e. Our Bid shall be valid for a period of _____ days from the date fixed for the bid submission deadline in accordance with the Bidding Document, and it shall remain binding upon us and may be accepted at any time before the /expiration of that period;
- f. If our Bid is accepted, we commit to obtain a Performance Security in the amount of _____ percent of the Contract Price for the due performance of the Contract;
- g. Our firm, including any subcontractors or suppliers for any part of the Contract, have nationalities from the following eligible countries _____;
- h. We are Not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. Our firm, its affiliates or subsidiaries, including any subcontractors or suppliers for any part of the contract, has Not been declared ineligible by the Government;
- j. The following commissions, or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract:

Name of Receipt	Address	Reason	Amount
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(If none has been paid or is to be paid, indicate "none.")

- k. We understand that this Bid, together with your written acceptance thereof included in your Notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed.
- l. We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Name _____

in the capacity of _____

Signed _____

Duly authorized to sign the security for and on behalf of _____

Date _____

BIDDING FORMS

Bid Security / Earnest Money Form

WHEREAS _____ hereinafter called the “***Bidder***” has submitted its bid, dated _____ for the Provision of _____.

KNOW ALL MEAN by these presents that I/We _____ of _____ having our registered office (s) at _____ do hereby submit Earnest Money of Rs. _____ (Rupees _____) for the aforesaid Bid in the shape of Pay Order/Demand Draft No. _____ dated _____ issued by _____ Bank in favour of the **Project Director, Shaheed Muhterma Benazir Bhutto Cardiac Care Hospital Tando Muhammad Khan.**

Name & Signature of Supplier (s)

Authorized Representative

Dated _____.

BIDDING FORMS

Bid Security / Earnest Money Sheet

Name of Bidder: _____

Tender No. _____

Procurement of _____

Sr. No.	Quantity	Cost (Rs.)	Total Bid Price/cost (Rs.)	Earnest money at 2% of Bid Value		
				Amount	P.O/D.D.	Name of Bank

Signature of the Tenderer _____

Name & Address _____

Firm Stamp _____

Dated _____

BIDDING FORMS

SPECIAL STIPULATIONS

1. The equipment offered must be of latest version/generation and in case an old model is offered, it will not be considered, even though it is as per the tender specifications.
2. All documents / papers submitted with the technical and commercial bid should be paginated and certificate should be recorded duly signed and stamped at the end of the bid, else, the bid will be ignored.
3. Quality Assurance Tools / Test equipment availability with local agent for PPM (Periodic Preventive Maintenance) and periodic calibration along with list of test tools with calibration validity should be provided by firms before entering the agreement.
4. Certificate from the Manufacturer that Sole Agent has fully equipped workshop, along with the list of Trained Personnel / Engineers and Equipment should be provided with technical bid and it can be physically verified by the Technical Committee, at any time before finalizing the tender.
5. The successful bidder will be required to submit security money in shape of Pay Order / Bank Draft/Bank guarantee/ Insurance Guarantee @ 5% of the total value of order in favor of The Project Director .Shaheed Mohtarma Benazir Bhutto Cardiac Care Hospital at Tando Muhammad Khan (SMBBCH-TMK) within Seven (7) days after receiving of the letter of acceptance.
6. Firm must provide complete details of their financial standing, listing of similar equipment supplied in Pakistan, bio-data of engineers with training certificates/ test equipment, details of local stock of spare parts for similar equipment and details of office with number of personals; else, the bid will be ignored.
7. The vendor will provide technical / operational training to electro-medical engineer / end user from factory trained engineers. The supplier should provide detail of training program.
8. All equipment to be supplied should be accompanied with original copy of the operation, service / maintenance and schematic diagram and spare parts list, manual in English language.
9. The bidder shall submit with the bid, an **UNDERTAKING** on Non-judicial stamp paper of Rs.50/= duly attested by Oath Commissioner, stating that the equipment will be supplied is the brand new and of latest version / model, free from defects in design material and workmanship and will bind himself for availability of spares for a period of 10 years from the date of supply. In case of winding up of his business, the supplier shall be bound to make an alternate arrangement of spares and maintenance of equipment. In case of default, depreciated cost of equipment will be recoverable from him.
10. If vendor doesn't supply equipment in accordance with the supply order or fails to supply according to specifications or in case of any other default of terms and condition of the tender, it will be disqualified and the earnest / security money will be forfeited.

11. If the vendor fails to supply and install the equipment of the purchase order within the stipulated period of 6 months, the clause of liquidated Damages shall be imposed.
12. Up-gradation of Software(s) as well as FMIS for the life of system should be provided from the manufacturer if required during the warrantee period free of cost by the vendor.
13. Conditional tender(s) against the Govt: rules/policy will not be entertained / accepted.
14. The Vendor should submit a Data Sheet according to the Tender Specifications Format mentioned in the tender and highlight the tender specifications in their Technical Data Sheet. Additional Features can be mentioned separately and the same will be considered if found the said features are good/best.
15. The Hospital Purchase Committee reserves the right to reject or accept any / all tender(s) without giving any reason.
16. The Bid which does not fulfill the prescribed conditions in the tender is liable to be ignored/ rejected.
17. The Hospital Purchase Committee reserves the right to increase or decrease the quantity being procured during the course of contract.
18. The rates should be inclusive of packing charges, installation, loading/unloading and transportation charges etc.
19. Any exception, deviation of conditions/specifications must be stated separately on Bidder's Letter Pad.
20. Purchaser also reserves the right to accept or reject all or any offer without assigning any reason for such action as per SPPRA Rules 2010.
21. Bidder must provide details of number of engineers, details of foreign training of engineers, list of test equipment, ISO certification, and installed base of quoted equipment. This will constitute a major criteria for selection of successful bidder. Only bidder having established and satisfactory track record will be considered.
22. In case of Purchase on C I F basis, the bidder will invest the money to open Letter of Credit within couple of week after receiving the supply order and money and will bear all the charges in this regard. The required certificate will be issued by this office that the import has been made for this hospital, so as to avail the facility of exemption of duties / taxes, as per Government Rules/Policy.
23. In case of supply order placed on D.D.P basis the bidder should supply the quoted item on or before 180 days.
24. All the (applicable) Government taxes (Income Tax/ 0.30% Stamp Duty of the value of the contract amount will be deducted from the bills of the Contractors /Suppliers.
25. In case of Purchase order issued on CIF basis, the suppliers / contractor will be entitled / eligible to claim full amount from office of the Project Director Shaheed Mohtarma Benazir Bhutto Cardiac Care Hospital at Tando Muhammad Khan (SMBBCCH-TMK) on submission of the LC in favor of the Consignee / Hospital. The Project Director Shaheed Mohtarma Benazir Bhutto Cardiac Care Hospital at Tando Muhammad Khan (SMBBCCH-

TMK) will provide all necessary exemptions to the supplier regarding sales tax, custom duty, any other leviable taxes etc in case of CIF deal to import equipment in favour of the purchaser.

26.NOTE: All the transportation and logistics charges will be borne by the suppliers / contractors at consignee's end for supply of equipment on CIF basis.

Price Schedule (BOQ)

Name of Bidder: _____

Item no	Description and Specifications	Qty	Unit Price (Rs.)	Total Price (Rs.)	Refer Page no. for Specs
01	Mobile X-Ray Machine	01			P. no. 51
02	CR System	01			P. no. 52
03	Ventilators ICU	02			P. no. 53
04	ECG 12-Channel with Data Transfer and viewing via email with local ECG trolley	04			P. no. 54
05	Monitors ECG, NIBP, SpO2, Respiration, Dual IBP	02			P. no. 56
06	Defibrillators with Packing ECG, NIBP, SpO2	02			P. no. 58
07	High end Patient Transfer Trolley	05			P. no. 59
08	Emergency Resuscitation Trolley with Defib	05			P. no. 59
09	Angiography Machine	01			P. no. 60
10	Whole Blood Oxymeter	01			P. no. 63
11	ACT Machine	01			P. no. 63
12	Motorized Patient Beds	16			P. no. 64
13	Monitors ECG, NIBP, SpO2 + CENTRAL	16			P. no. 65
14	Syringe Pumps	04			P. no. 67
15	Suction Unit	04			P. no. 67
16	X-Ray with Table Bucky and Chest Stand	01			P. no. 68
17	Echocardiography Machine	02			P. no. 69
18	Four-BEDS Telemetry monitors with Central Monitor	01			P. no. 71
19	Monitors ECG, NIBP, SpO2	20			P. no. 72
20	3-Crank Manual Beds Imported	60			P. no. 74
				TOTAL AMOUNT OF BID (Rs.)	

Amount in Words: _____

- 1) The rates quoted for the items mentioned above shall be valid for 90 days from the date of opening of tender.
- 2) The items should be delivered at specified consignees at risk and cost of contracting firm.
- 3) The payment shall be subject to deduction of Income/Sales Tax at source, inspection and production of delivery challans as being delivered the stores in full quantity & quality specified in contract.
- 4) The rates quoted in this schedule are inclusive of all the applicable taxes & freight/transportation etc. and written against each item in figures and words without any cutting/error.
- 5) The samples of the articles (where applicable) as required in the GCC are provided.
- 6) In case of discrepancy between unit price and total, the unit price shall prevail.
- 7) **Bids will be recommended in total price for all items basis**
- 8) For Specifications of above mentioned items refer Section-IX of this document.

Name _____

in the capacity of _____

Signed _____

Duly authorized to sign the security for and on behalf of _____

Date _____

SCHEDULE OF REQUIREMENT

All Equipments & Machinery shall be delivered and installed in accordance with the subsequent specifications listed at Section-IX of this document complete in all respect within 06 Months (180 Days). In case of any delay beyond 180 days following mode of penalty shall be applied: -

Mode of penalty	100% quantity as per Purchase / Supply Order	Total delivery period
Without penalty	180 days	180 days
With penalty at 0.5% per day on total bid cost after 180 days of purchase order on amount of undelivered quantity/items	20 days	200 days

Name _____

in the capacity of _____

Signed _____

Duly authorized to sign the security for and on behalf of _____

Date _____

PART – II

CONTRACT

SECTION-V

GENERAL CONDITIONS OF CONTRACT (G.C.C)

01. Use of Contract Documents and Information

- 1.1 The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract or any provision thereof, or any specification, pattern sample or information furnished by or on behalf of Purchaser in connection herewith to any person other than employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purpose of such performance.
- 1.2 The Supplier shall not, without the Purchaser's prior written consent, make use of any Document or information specified in clause 1.1 above, except for the purpose of performing the Contract.
- 1.3 Any Documents / Literatures / Catalogues if Supplied by the Purchaser, other than the Contract itself, specified in clause 1.1 above, shall remain the property of the Purchaser and shall be returned (in all copies) to the Purchaser, on completion or prior to the completion of the Supplier's performance under the Contract, if so required by the Purchaser.

02. Change Order

- 2.1 The Purchaser may at any time, by written Notice to the Supplier, make changes within the general scope of the contract in any one or more of the following.
 - a. drawings, designs or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser; or
 - b. the method of shipment or packing; or
 - c. the method of installation; or
 - d. the place of delivery.
- 2.2 Upon Notification by the Purchaser of such change, the Supplier shall submit to the Purchaser an estimate of costs for the proposed change (hereinafter referred to as the Change or Changes) including any change in the schedule of Payments, within ten (10) calendar days of receipt of Notice of change, and shall include an estimate of the impact (if any) of the Change on the delivery dates under the Contract, as well as a detailed schedule for the execution of the Change, if applicable.
- 2.3 The Supplier shall Not perform change in accordance with clause 2.1 above until the purchaser has authorized a change order in writing on the basis of the estimate provided by the Supplier as described in clause 2.2 above.
- 2.4 Changes mutually agreed upon as a change shall constitute a part of work under this Contract, and the provisions and conditions of the Contract shall apply to said change.

03. Contract Amendments

- 3.1 Subject to clause 2, No. variation in or modification of the conditions and terms of the Contract shall be made except by written amendment signed by the parties.

04. Sub-Contracts

- 4.1 The Supplier shall not subcontract all or any part of the contract without first obtaining the Purchaser's approval in writing of the sub-contracting and the subcontractor.
- 4.2 The Supplier guarantees that any and all subcontractors of the Supplier for performance of part of work under the Contract will comply fully with the terms of the Contract applicable to such part of the work under the Contract.

05. Country of Origin

- 5.1 All Goods & Services Supplied under the Contract shall have their origin in eligible countries.
- 5.2 For purpose of this clause, "Origin" shall be considered to be the place where the Goods were mined, grown or produced or from which the Services are provided. Goods are produced when, through manufacturing, processing or substantial and

major assembling of components, commercially recognized products results that is substantially different in basic characteristics or in purpose or utility from its components.

06. Inspection and Test

- 6.1 The Purchaser or its representative shall have the right to inspect the work being carried out under this Contract and to test the goods to confirm their conformity to the Specifications. The Specifications, Conditions of Contract or Specifications or both shall specify what inspections the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing of identity of any representative retained for these purposes.
- 6.2 The inspections and test may be conducted by the "Procurement Committee of Project on the premises of the Supplier or its sub-Contract(s), at the point of delivery and at the Good's final destination. Where conducted on the premises the Supplier or its sub-Contractor(s) all reasonable facilities and assistance, including access drawings and production data, shall be furnished to the Inspection Committee at No. charges to the Purchaser.
- 6.3 Should any inspected tested Goods fail to conform to the Specifications, the Purchaser may reject them, and the Supplier shall either replace the rejected Goods or make all alteration necessary to meet the requirements of the specifications, free of cost to the purchaser.
- 6.4 The Purchaser's right to inspect, test and where necessary, reject the Goods after the Goods arrival at the site of the installation shall in no way be limited or waived by reason of the Goods have previously been inspected, tested and passed by the Purchaser or its representatives prior shipment of the Goods/equipments.
- 6.5 Nothing in this clause 6 shall in any way release the Supplier from any Warranty obligations under the Contract.

07. Packing and Transportation

(A) Packing

- a. The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
- b. The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in the Special Conditions of Contract and in any subsequent instructions ordered by the Purchaser.

(B) Transportation

- a. The Supplier shall at its own risk and expense transport all the Goods /equipment /machinery under this contract and the Supplier's Goods to the Site by the mode of transport which the supplier judges most suitable under all the circumstances.
- b. Upon dispatch of each shipment of the Goods and the Supplier's Goods, the Supplier shall Notify the Purchaser by mail/fax of the description of the Goods and the Supplier's Goods, 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 Supplier shall furnish the Purchaser with relevant shipping documents specified in the Special Conditions of Contract.
- C. The Supplier shall be responsible for obtaining, if necessary, approvals from the authorities for transportation of the Goods and the Supplier's Goods to the Site. The Purchaser shall use its best endeavors in a timely and expeditious manner to assist the

Supplier in obtaining such approvals, if requested by the Supplier. The Supplier shall indemnify and hold harmless the Purchaser from and against any claim for damage to roads, bridges or any other traffic facilities that may be caused by the transport of the Goods and the Supplier's Goods to the Site.

08. Patent/Manufacturing Rights

- 8.1 The Supplier shall indemnify and hold the purchaser harmless against all third party claims of infringement of patent trademark or industrial design rights arising from use of the Goods or any part thereof.

09. Performance Security

- 9.1 The Supplier shall cause performance security to be furnished to the Purchaser at the amount of **five percent (5%)** of the Contract price (including bid security/earnest money @ 2% already submitted by the bidder at the time of submission of bid). Such performance Security shall be provided in form as is acceptable to the Purchaser, within seven (7) days after the Supplier's receipt of the Notification of award of Contract.
- 9.2 The proceeds of the performance security shall be Payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its work under the Contract. The Supplier shall cause the validity period of the performance security to be extended for such period(s) as the Work Schedule may be extended pursuant to Clause 18.2.
- 9.3 The performance Security shall be denominated in a Currency of the Contract, or in a freely convertible Currency acceptable to the Purchaser, and shall be in one of the following forms:
- a. A Bank Guarantee for the balance amount after conversion of Earnest Money in to Performance Security / Security Deposit, issued by the Bank acceptable to the Purchaser, or in such other form as is acceptable to the Purchaser; or
 - b. A Pay Order or Bank Draft of the amount as in clause-a, in favour of Purchaser.
- 9.4 The Performance Security will be discharged or returned or both by the Purchaser after submission (by Supplier) of Bank Guarantee of 10% of the ordered material to cover the Warrantee Period, but Not later than thirty (30) days following the date of Final Acceptance pursuant to Clause 12.1.

10. Indemnity

- 10.1 The Supplier and the Purchaser shall indemnify and hold harmless each other from and against such claims and liabilities as provided in the Special conditions of Contract.
- 10.2 Not-with-standing anything in this Contract to the contrary, it is agreed that neither the Supplier nor the Purchaser shall be held liable to the other party for loss of production, loss of profit, loss of use or any other indirect or consequential damage.

11. Insurance & Incidental Services

- 11.1 All Goods supplied under the Contract shall be fully insured in a freely convertible Currency against loss or damage incidental to manufacture or acquisition, transportation, Storage delivery, and installation, and incidental services to be provided by Supplier in the manner specified in the Special Conditions of Contract.

12. Transfer of Title.

- 12.1 The Goods, whether installed or Not, shall immediately, in consideration of Payment of the first installment if any of the Contract price to the Supplier by the Purchaser, become and remain the property of the Purchase; provided always that the Supplier shall have a particular possessory lien on the Goods to the extend the value thereof exceeds the total value of the installment payments made is the Purchaser to the Supplier.

- 12.2 Not-with-standing the provisions of Clause 11.1, the Supplier shall be responsible for all damages to and loss of all aforesaid items furnished by the Supplier and item furnished to the Supplier by the Purchaser to enable the Supplier to complete the installation and for all temporary structure and facilities and for all parts of the installation completed or in progress, until the Certificate and Final Acceptance has been issued pursuant to Clause 12.1

13. Acceptance

- 13.1 Upon completion of the work under the Contract, a final inspection at site carried out by the Inspection Committee for the purpose and accepting the Goods (hereinafter called the final Acceptance). Such inspection shall constitute the Final Acceptance of the Goods and Services under the contract, unless the Inspection (during the Inspection) shows defects or shortcomings or both. In case of defect or shortcomings or both which in the Purchaser's opinion are considered essential, a re-inspection shall be convened when the Supplier has given Notice of completion of the corrective work carried out with regard hereto otherwise the Purchaser may accept the Goods if the defects or shortcomings or both are Not considered essential, and the Supplier has agreed to carry out the repairs in conformity with this Contract.

14. Warranty

- 14.1 The Supplier warrants to the Purchaser that the Goods and Services supplied under the Contract will comply strictly the Contract, shall be first class in very particular case and shall be free of all defects. The Supplier further warrants to the Purchaser that all material, Goods and Supplies furnished by the Supplier or its sub-Contractors for the purpose of the Goods will be new merchantable of the most suitable grade, and fit for their intended purpose. The Contractor further warrants that the Services to be carried out under this Contract will confirm with general accepted professional standards and Engineering principles.
- 14.2 This warranty shall remain valid for twenty four months after the Final Acceptance or after the date of arrival of Goods at the site, whichever period concludes earlier, unless specified otherwise in the special conditions of Contract.
- 14.3 The Purchaser shall promptly notify the Supplier in writing of any claim arising under the Warranty.
- 14.4 Upon receipt of such Notice, the Supplier shall promptly but not later than 7 days of such request repair or replace the defective Goods or part thereof, inclusive, where applicable, the cost of inland delivery of the repaired or replaced Goods or parts from the port of entry to the final destination and their installation. 14.5 Without prejudice to Clause 13.3 and 13.4 above, the Supplier shall promptly correct, at No. cost to the Purchaser, any defect in any work of correction performed pursuant to Clauses 13.3 and 13.4 above, upon receipt of written Notice of defect within 15 days from acceptance of the Notice for correction of the defect.
- 14.6 If the Supplier, having been notified, fails to remedy the defect (s) in accordance with the Contract, the Purchaser may proceed to take such remedial actions as may be necessary, at the Supplier's expenses. The Supplier's Warranty pursuant to this Clause 13 is without prejudice to any other rights or remedies, which the Purchaser may have against the Supplier under Contract.

15. Payment

- 15.1 The method and conditions of payment to be made to the Supplier under this Contract shall be specified in the Special Conditions of Contract.
- 15.2 The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to Clause 9 and upon fulfillment of other obligations stipulated in the Contract.

15.3 Payments shall be made promptly by the Purchaser, but in case not later than sixty (60) days after submission of an invoice or claim by the Supplier.

15.4 The currency or currencies in which payment is made to the Supplier under this Contract will be made in the currency or currencies specified in the Bid Form.

16. Prices

16.1 Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall Not vary from the prices quoted by the Supplier in its bid, with the exception of any change in price resulting from a Change Order issued in accordance with Clause 3, or if applicable, adjustments authorized in accordance with the price adjustment provisions specified in the Special Conditions of Contract.

17. Extensions in the Supplier's Performance

17.1 Delivery and installation of the Goods shall be made by the Supplier in accordance with the Time/ Work Schedule, pursuant to the Special Conditions of Contract.

17.2 The Supplier may claim extension of the time limits as set forth in the Work Schedule in case of :

- a. Changes ordered by the Purchaser pursuant to Clause 2;
- b. Delay of any materials, drawing or Services which are to be provided by the purchaser (Services provided by the Purchaser shall be interpreted to include all approvals by the Purchaser under the Contract as well as access to the site);
- c. Force Majeure Pursuant to Clause 22.1 and;
- d. Delay in performance of work caused by orders issued by the Purchaser. The Supplier shall demonstrate to the Purchaser's satisfaction that it has used its best endeavors to avoid or overcome such causes of delay, and the parties will mutually agree upon remedies to mitigate or overcome such causes of delay.

17.3 Notwithstanding Clause 16.2 above, the Supplier shall Not be entitled to an extension of time for completion unless the Supplier, at the time of such circumstances arising, immediately has Notified the Purchaser in writing of any delay that it may claim as caused by circumstances pursuant to Clause 16.2 above; and upon request of the Purchaser, the Supplier shall substantiate that the delay is due to the circumstances referred to by the Supplier.

18. Liquidated Damages

18.1 Subject to Clause 22, Force Majeure, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the Special Conditions of Contract of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in the Special Conditions of Contract. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to Clause 17, Termination for Default.

19. Termination for Default

19.1 The Purchaser may, without prejudice to any remedy for breach of Contract written Notice of default sent to the Supplier, terminate the Contract in whole or in part:

- (a) If the Supplier fails to deliver any or all of the Goods within the time period(s) specified in the Contract, or any extension thereof granted by the Purchaser, pursuant to Clause-15
- (b) If the Supplier fails to perform any other obligations(s) under the Contract; and if the Supplier, in either of the above circumstances, does Not cure its failure within a period of the (10) calendar days (or such longer period as

the Purchaser may authorize in writing after receipt of a Notice of default from the Purchaser specifying nature of the default (s).

- 19.2 In the event the Purchaser terminates the Contract in whole or in part, pursuant to Clause 17.1 above, the Purchaser may procure, upon such terms and in such manner as it deems appropriate Goods similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods Notwithstanding the above, the Supplier shall continue performance of the Contract to the extent Not terminated.

20. Termination for insolvency

- 20.1 The Purchaser may at any time terminate the Contract by giving written Notice to the Supplier without compensation to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. Notwithstanding the above, such termination will Not prejudice or affect any right of action of remedy which has occurred or will accrue hereafter to the Purchaser.

21. Termination for Convenience

- 21.1 The Purchaser may, by written Notice to the Supplier, terminate the Contract, in whole or in part, at any time for its convenience. The Notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of Supply of Goods under the Contract is terminated, and the date upon which such termination becomes effective.
- 21.2 The Goods which are complete and ready for shipment within thirty (30) days after the Supplier's receipt of Notice of termination shall be purchased by the Purchaser at the Contract prices and on the other Contract terms. For the remaining Goods, the Purchaser may elect:
- a. to have any portion thereof completed and delivered at the Contract prices and on the other Contract terms; and / or
 - b. to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and for materials & parts previously procured by Supplier for the purpose of Contract, together with a reasonable allowance for overhead and profit.

22. Resolution of Disputes

- 22.1 The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 22.2 If after thirty (30) days from the commencement of such informal negotiations, the Purchaser and the Supplier have been unable to resolve amicably a Contract dispute, either part, may require that the dispute be referred for resolution by arbitration by the mechanism described in the Special Conditions of Contract. The award shall be final and binding on the parties.

23. Applicable Law

- 23.1 The Contract shall be governed by and interpreted in accordance with the laws of the Islamic Republic of Pakistan/Government of Sindh.

24. Force Majeure

- 24.1 In the event that the Supplier or any of its sub-Contractors, or the Purchaser is delayed in performance of any of its respective obligations under the Contract, and such delay is caused by Force Majeure, including but not limited to war, civil insurrection, fires, floods, epidemics, earth quakes, quarantine restrictions, and freight embargoes, such delay may be executed as provided in Clause-16, and the period of such delay may be added at the time of performance of the obligation delayed.
- 24.2 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such Condition and the cause thereof. 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 all reasonable alternative means for performance Not prevented by the Force Majeure event.

25. Assignment

- 25.1 The supplier shall not assign, in whole or in part, its obligations to perform under the Contract, except with the Purchaser's prior written consent.

26. Contract Language

- 26.1 The Supplier hereby represents that he has sufficient knowledge of English Language to understand fully the Contract. The Contract shall be in the English Language, except if otherwise specifically agreed in writing between the parties.
- 26.2 The Supplier shall bear all costs of translation to English and all risks of the accuracy of such translation.

27. Taxes and Duties

- 27.1 The Supplier shall be entirely responsible for all Taxes, Stamps duties and all other such levies imposed by the Government of Pakistan/ Sindh. In case of the item to be supplied is imported than the supplier shall be responsible for all taxes imposed by outside country and/or any custom or port duty to be paid in Pakistan. Supplier should quote his prices carefully after estimating all the Taxes and Duties. The Purchaser shall not be responsible for any payment in respect of taxes and duties and/or any other hidden charges.

28. Headings

- 28.1 Headings, whether of Clauses or of other parts of the Contract, are for reference only and are not be construed as part of the Contract.

29. Waiver

- 29.1 Failure of either party to insist upon stories performance by the other party of any provision of the Contract shall in No. way be deemed or construed to effect in any way the right of that party to require such performance.

30. Deduction of Income/Sales Tax

- 30.1 Income/Sales Tax will be deducted from the payment made to the Contractor at source as per the Income/Sales Tax laws amended to date. Any other tax as per Government of Pakistan/ Sindh policy shall also be deducted if enforced by the government after signing of contract or during execution of work/contract. Supplier shall have to abide by the government policy in terms of taxes and duties.

SECTION – VI

SPECIAL CONDITIONS OF CONTRACT (S.C.C)

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

1. Definition

1.1 The Purchaser is Deputy Commissioner Tando Muhammad Khan / Secretary Petroleum Social Development Committee

1.2 The purchaser country is **Pakistan**.

1.3 Eligible countries as notified by **Government of Pakistan**.

2. Inspection and Tests (GCC Clause 06)

2.1 The following inspection and tests from time to time may be required by the Purchaser.

(a) Technical Specifications.

(b) Performance of Goods should be as per Warranty/Guarantee Card.

(c) All legal documents should be available on site/work place.

3. Indemnity (GCC Clause 10)

3.1 The indemnity provisions shall take into consideration the risks that apply during the various stages of execution of the Contract such as:

i. third parties;

ii. Supplier's facilities and Goods;

iii. Supplier's personnel (including its subcontractors);

iv. Purchaser's facilities and Goods, including the Goods.

iv. Purchaser's personnel.

4. Documents & Delivery (Instruction to bidder Clause 16)

4.1 For imported supplies/goods, immediately upon shipment of the Contract items from the port of shipment the documents listed below, must be mailed/faxed to the Purchaser:

i) One original and eight copies of detailed commercial invoices;

ii) Two original and eight copies of clean, on-board bill of lading;

iii) One original and eight copies of Packing Lists;

iv) One original and eight copies of Marine Insurance Policy;

iv) Manufacturer's or Supplier's warranty certificate;

v) One original and eight copies of Inspection Certificate, issued by the inspection agency so nominated by the purchaser, and the Supplier's factory inspection report;

vi) One original and eight copies of Certificate of Origin;

vii) Eight copies of shipping advice; and

viii) One original and eight copies of Consular Invoices.

Note: It is required that all copies of documents shall be legible; otherwise, photocopies of the original shall be furnished.

4.2 Supplies covered by this Contract shall be packed in such manner as would be adequate for ocean export shipment. Such packing must be sufficient to secure safe arrival at destination, fully covering such overseas ocean transport hazards as rough handling and possible corrosion due to exposure to salt, atmosphere, salt spray or open storage. For any losses or damages in transit, full compensation shall be paid to the Purchaser by the Supplier:

(a) The contents of each shipping package shall be itemized on a detailed packing list showing quantity of Goods, gross and net weight and extreme outside dimensions (length, width & height) of each piece of container, Metric measure shall be used.

- (b) One copy of the detailed packing list shall be enclosed in each package to be shipped. There shall also be enclosed in one package eight copies of a Master Packing List, summarizing and identifying each individual package which is a part of the shipment.

In addition to the standard, appropriate shipping marks, the following shipping marks should be properly made on all packages:

Stipulated in the order:

Contract No. _____
Gross Weight (Kg) _____
Net Weight (Kg) _____
Dimension (Meters) _____

Contractor should not ship more than the Contracted quantity and the Purchaser shall not be held responsible for payment in the case of aforesaid excess quantity. The Contractor shall be responsible for all consequences of the excess shipment.

4.3 After delivery of Contracted Goods, the Supplier shall submit within fifteen (15) days the following documents to the Purchaser.

- a. Manufacturer's or Supplier's Warranty / Guarantee Certificate
- b. Copies of the Packing list identifying contents of each Package.
- c. Certificate of Origin.
- d. Copies of the Supplier's Invoice showing Goods, Description, Quantity, Unit price and Total amount.
- e. Inspection / Delivery Certificate issued by the Project Director, Shaheed Muhterma Benazir Bhutto Cardiac Care Hospital Tando Muhammad Khan

5. Work Schedule

5.1 Work schedule/manufacturing schedule along with installation schedule will be drawn in consultation with Project Implementation Unit and attached with Contract documents.

6. Country of Origin (GCC Clause-5)

6.1 The list of eligible countries as listed in Section-V of bidding document.

7. Transportation (GCC Clause-7)

7.1 For Goods supplied from outside the Purchaser's country:

Upon shipment, the supplier shall Notify the purchaser and Insurance Company by fax the full details of the shipment, including Contract number, description of Goods, quantity, the bill of lading number and date, port of loading, date of shipment, port of discharge, etc. The Supplier shall mail the following documents to the Purchaser, with a copy to the Insurance Company:

- i. copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
- ii. original and two copies of the negotiable, clean, on-board bill of lading marked "freight prepaid" and two copies of Nonnegotiable bill of lading;
- iii. copies of the packing list identifying contents of each package;
- iv. insurance certificate;
- v. Manufacturer's or Supplier's warranty certificate;
- vi. Inspection certificate, issued by the Nominated inspection agency, and the Supplier's factory inspection report; and
- vii. Certificate of origin.

The above documents shall be received by the Purchaser at least one week before arrival of the Goods at the port or place of arrival and, if not received, the Supplier will be responsible for any consequent expenses."

7.2. For Goods from within the Purchaser's country:

Upon delivery of the Goods to the transporter, the Supplier shall notify the Purchaser and mail the following documents to the Purchaser:

- i. copies of the Supplier's invoice showing Goods description, quantity, unit price, and total amount;
- ii. delivery Note, railway receipt, or truck receipt;
- iii. copies of the packing list identifying contents of each package;
- iv. insurance certificate;
- v. Manufacturer's or Supplier's warranty certificate;
- vi. Inspection certificate issued by the Nominated inspection agency, and the Supplier's inspection report; and
- vii. Certificate of origin.

The above documents shall be received by the Purchaser before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses."

8. Payments (GCC Clause 15)

8.1 For Goods supplied from outside the Purchaser's Country, the Purchaser will pay to the Supplier as follows:

- a) **Upon signing of the Contract**, the Purchaser shall establish a Letter of Credit in a Commercial Bank, acceptable to both the parties, in favor of the Supplier, in the amount representing 100% of the Foreign Components Cost of the Contract.
- b) **On Shipment**: Seventy (70) percent of the Contract Price of the Goods shipped shall be paid through irrevocable confirmed letter of credit opened in favor of the Supplier in bank in its country upon submission of documents specified in these Special Conditions of Contract.
- c) **On Acceptance**: Twenty Five (25) percent of the Contract Price of Goods received shall be paid within thirty (30) days of receipt of the Goods upon submission of claim supported by the acceptance certificate issued by the Purchaser.
- d) **On Expiration of Warranty**: Five (5) percent of the Contract Price of Goods received shall be paid within thirty (30) days upon expiration of the warranty period.

8.2 For Goods supplied from within the Purchaser's Country, the Purchaser will pay to the Supplier as follows:

- a) 100% of the Contractual value of each individual consignment upon delivery at the consignees end of the Goods against presentation of the following documents:
 - i. Copies of the Supplier's invoice showing Good's description, quality, unit price, and total amount of payment due.
 - ii. Manufacturer's Warranty Certificate.
 - iii. Inspection Certificate issued by the authority nominated by the Purchaser.
 - iv. Certificate of the receipt of Goods issued by the consignee.
 - v. Certificate of Origin.
- b) Price charged by the Supplier for Goods delivered under the Contract shall not vary from the price quoted by the Supplier in the Bid Form.

8.3 The Purchaser will pay the Supplier directly for the costs of local handling, storage, transportation to site and installation services as follows (for Goods supplies from outside purchaser's Country):

- a. Upon Arrival of Goods at site: Fifteen percent (15%) of all such costs shall be paid to the Contractor within 30 days upon arrival of all the Goods on the site of installation.
- b. Upon 50 percent Completion of the Services: Forty percent (40%) of all such costs shall be paid to the Contractor within 30 days upon completion of (definition of physical stage corresponding to about 50 percent completion).
- c. On Acceptance: Forty percent (40%) of all such costs shall be paid to the Contractor within 30 days after Acceptance pursuant to Clause 13 of these General conditions of Contract; and
- d. On Expiration of Warranty: Five percent (5%) of all such costs shall be paid to the Contractor upon expiration of the warranty period.

8.4 The final payment (5%) to be made to the Supplier upon expiry of the warranty period, may be released at the time of acceptance against a bank guarantee or other acceptable security in favor of the Purchaser for such amount.

8.5 Shipment of Items:

8.5.1 All Contract items shall be shipped to the Karachi Seaport, and not to any other port, Purchaser reserves the right not to consider valid any shipment to a port of entry different from that stipulated, here nor shall it entertain any additional payment as a consequence of the mis-shipment.

8.5.2 The Contractor shall Notify the Purchaser by cable, as soon as possible, the following information regarding each shipment:

- i. Contract Number.
- ii. Items shipped.
- iii. Numbers of Packages Shipped.
- iv. Name of Ship.
- v. Name of Shipping Lines and Pakistan Agent
- vi. Bill of Lading Number.
- vii. Port of Exit.
- viii. Date of Shipment.
- ix. Expected Date of Arrival at the Port of Entry.

This cable shall become part of the documentation.

9. Insurance Delivery and Commissioning of Goods (GCC Clause 11)

9.1 The Goods supplied under this Contract shall be delivered and risk is transferred to the Buyer after having been delivered, hence, insurance coverage is Suppliers responsibility. Since the Insurance is Suppliers responsibility they may arrange appropriate coverage.

- i. on the Goods - during transportation (including maritime risks), storage and installation;
- ii. on properties - against fire, earthquake, floods, theft, strikes, riots;
- iii. on personnel - workmen's compensation/employer's liability;
- iv. general third party liability;
- v. use of, e.g., motor vehicle, helicopter, or other special types of liability cover.

10. Included Services (GCC Clause 11)

10.1 The following Services shall be covered/provided by the Supplier free of cost until the period of expiration of Warranty:

- a. The Supplier shall deliver the Goods in assembled condition ready to operate at the consignee site.
- b. The Supplier shall install, demonstrate the Goods and its Operation at the consignee site.
- c. The Supplier shall ensure the supply of operational and service manuals and diagrams and any tool kit of Goods.
- d. The Supplier shall train the Purchaser's nominated staff for in use of Goods and may also provide them training at plant/factory for assembly, start-up operation,

maintenance and modifications as per M&O manual as and when required by the Purchaser during the period of expiration of Warranty.

11. Warranty (GCC Clause 14)

11.1 In partial modification of the provisions, the warranty period shall be of two (02) years after receiving the Goods.

12. Resolution of disputes (GCC Clause-22)

12.1 In the case of dispute between the Purchaser and a Supplier, the dispute shall be referred to adjudication / arbitration in accordance with the laws of Islamic Republic of Pakistan/Government of Sindh.

13. Liquidated Damages (GCC Clause-18)

- 13.1 Liquidated damages shall be levied at the uniform rate of 2% per month or part thereof, which will be calculated on the basis of calendar month.
- 13.2 The penalty shall be only for the undelivered stores, except where the undelivered part hold-up the use of the delivered part.
- 13.3 The maximum penalty would be up to 10% of the Contract (Package) price.
- 13.4 The Purchaser may waive liquidated damages provide.
- a. there is no. physical or potential loss to the Purchaser.
 - b. Rate of the stores have not gone down, Supplier is not responsible for delay in the supply of the Goods.

14. Spare Parts

- 14.1 Supplier will submit with contract document list of essential spare parts expected during warranty period.
- 14.2 Availability of the spare parts shall be ensured during the period of warranty / by the Supplier.

15. License & Permits

15.1 Any License / Permit required shall be arranged by the Contractor / Supplier for Local Purchases.

16. Control of Materials by the Purchaser

16.1 "All materials and Goods used in manufacturing by the Supplier pursuant to this Contract shall be received by the Supplier in the presence of the Purchaser and shall be inspected jointly by the Supplier and the Purchaser. The delivery and acceptance of all such materials and Goods shall be recorded in writing."

17. SPRA

17.1 In addition to all conditions laid down in this document, all Purchase Contracts shall also be governed as per SPPRA Rules.

18. Notices

18.1 For the purpose of all notices, the following shall be addresses of the Purchaser and Supplier(s):

(a) PURCHASER:

Deputy Commissioner Tando Muhammad Khan /
Secretary Petroleum Social Development Committee

(b) SUPPLIER:

SECTION – VII

CONTRACT FORMS

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CONTRACT FORMS (AGREEMENT)

Date: _____

Contract Name and No. _____

**Deputy Commissioner Tando Muhammad Khan /
Secretary Petroleum Social Development Committee**

WHEREAS _____ (hereinafter "the Supplier") has undertaken, pursuant to Contract No. _____ dated _____, to supply _____ (hereinafter "the Contract").

AND WHEREAS it has been stipulated by you in the aforementioned Contract that the Supplier shall furnish you with a security _____ issued by a reputable guarantor for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.

AND WHEREAS the undersigned _____, legally domiciled in _____ (hereinafter "the Guarantor"), have agreed to give the Supplier a security.

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the

Supplier, up to a total of _____ and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract, without cavil or argument, any sum or sums within the limits of _____ as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This security is valid until the _____ day of _____, _____.

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the security for and on behalf of _____

Date _____

CONTRACT FORMS (CONTRACT)

THIS CONTRACT made on this day of 2016, between Deputy Commissioner Tando Muhammad Khan / Secretary Petroleum Social Development Committee, hereinafter called the **PURCHASER** of the one part and Mr. _____ of M/s. _____ hereinafter called the **SUPPLIER** of the other part.

WHEREAS the Purchaser is desirous that (name & nature of stores/articles) be provided by the Supplier (hereinafter called “**Purchase of Medical Equipments & Machinery for Shaheed Mohtarma Benazir Bhutto Cardiac Care Hospital Tando Muhammad Khan**”) (**AS MENTIONED BIDDING DOCUMENTS**) and has accepted a Bid by the Supplier for the provision of articles in the sum of Rs. _____ hereinafter called “**the Contract Price**”.

NOW THIS CONTRACT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the conditions of Contract referred to.
2. The following Documents shall be deemed to form and be read and Construed as part of this Agreement, viz,
 - (a) the Bid Form and the Price Schedule submitted by the Bidder.
 - (b) the Schedule of Requirements.
 - (c) the Technical Specifications.
 - (d) the General Conditions of Contract.
 - (e) the Special Conditions of Contract. and
 - (f) the Purchase's Notification of Award.
3. In consideration of the Payment to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the articles to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the articles and to remedy defects, the Contract Price of such other sum as may become Payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, Sealed & Delivered by the (for the **Purchaser**)

Signed, Sealed & Delivered by the (for the **Supplier**)

CONTRACT FORMS (PERFORMANCE SECURITY)

Date: _____

Contract Name and No. _____

**Deputy Commissioner Tando Muhammad Khan /
Secretary Petroleum Social Development Committee**

WHEREAS _____ (hereinafter "the Supplier") has undertaken, pursuant to Contract No. _____ dated _____, to supply _____ (hereinafter "the Contract").

AND WHEREAS it has been stipulated by you in the aforementioned Contract that the Supplier shall furnish you with a security _____ issued by a reputable guarantor for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.

AND WHEREAS the undersigned _____, legally domiciled in _____ (hereinafter "the Guarantor"), have agreed to give the Supplier a security.

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of Rupees _____ and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract, without cavil or argument, any sum or sums within the limits of _____ as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This security is valid until the _____ day of _____, _____.

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the security for and on behalf of _____

Date _____

CONTRACT FORMS (ADVANCE PAYMENT SECURITY)

Date: _____

Contract Name and No. _____

**Deputy Commissioner Tando Muhammad Khan /
Secretary Petroleum Social Development Committee**

In accordance with the payment provision included in the Contract, in relation to advance payments, _____ (hereinafter called "the Supplier") shall deposit with the Purchaser a security consisting of _____, to guarantee its proper and faithful performance of the obligations imposed by said Clause of the Contract, in the amount of _____.

We, the undersigned _____, legally domiciled in _____ (hereinafter "the Guarantor"), as instructed by the Supplier, agree unconditionally and irrevocable to guarantee as primary obligor and not as surety merely, the payment to the Purchaser on its first demand without whatsoever right of objection on our part and without its first claim to the Supplier, in the amount not exceeding _____.

The security shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until _____, _____.

Name _____

In the capacity of _____

Signed _____

Duly authorized to sign the security for and on behalf of _____

Date _____

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS/CONTRACTORS/CONSULTANTS

Contract Number: _____

Dated: _____

Contract Value: _____

Contract Title: _____

[Name of Supplier/Contractor] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, [Name of 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 inducing the procurement of a contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from Procuring Agency (PA), except that which has been expressly declared pursuant hereto.

[Name of 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 PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[Name of 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 PA under any law, contract or other instrument, be voidable at the option of PA.

Notwithstanding any rights and remedies exercised by PA in this regard, [Name of Supplier/Contractor] agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [Name of 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 PA.

[Procuring Agency] [Supplier /Contractor]
SPPRA

CONTRACT FORMS (CONSIGNEE RECEIPT CERTIFICATE)

(To be completed by the Consignee)

1. Certified that the stores as accepted on the reverse and in the _____ Continuation sheets attached have been received in good condition and are as per Contract specification subject to the remarks at, 3 below _____.
2. The stores have been brought to account under Receipt Voucher No. _____ and posted in Ledger No. _____ Pages.
3. Details of recoveries proposed by the consignee in respect of deficiency breakage and/or freight etc., which should be made from the contractor under the terms of the contract.

Item	Reason	Amount	Item	Reason	Amount

Station _____ Date _____ Signature _____

Circle of Area _____ Designation _____

CONTRACT FORMS (DETAILS OF STORE RECEIVED)

Contract No. _____ of _____

M/s. _____

Address _____

Item No.	Specification	Quantity Received

Signature _____

Designation _____

Stamp _____

Date _____

SECTION – VIII

SCHEDULE OF SUPPLY

Quantity of	Description /Specification	

Note:

- The successful bidder will supply Machinery & Equipments as per approved bid document to the above mentioned address.
- - No any freight / transportation charge will be allowed / paid separately.

Signature _____

Designation _____

Stamp _____

Date _____

SECTION – IX

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS

PRE-REQUISITES

The following are the knockout clauses and the firms not fulfilling these clauses, will be not considered:

- a. The firms must quote their latest and leading brands from the origins mentioned in each equipment with the proven past performance nationally and internationally. The firm must possess its related back-up support services including trained engineers, workshop facilities, spare parts availability and repair/calibration tools etc.
- b. The quoting firm must possess ISO 9000 certificate for after sales service delivery and should have proper infrastructure to handle and execute the complete package with previous experience. Copy of valid ISO 9000 certificate must be attached.
- c. The quoting firm must have installed at least 5-Units of same equipment in Pakistan and must bring satisfactory recommendation letters from at least 5 local users along with installation certificates.
- d. The firm must be a sole distributor at least for the five consecutive years and also must have an established track record of government supplies of over 5-years.
- e. The most important criterion is the capability to provide quick and efficient after sales service at site. The hospital reserves the right to inspect workshop facilities of the vendor at any time to ascertain technical delivery capability. Bidders with inadequate facilities will not be considered.
- f. The quoting firm must quote the complete package and offer a package price

1. MOBILE X-RAY Machine

Model: Branded

Make: Branded

Country of Manufacture and/or Origin: USA / EUROPE / JAPAN or equivalent
SYSTEM MUST HAVE FDA / CE / MHLW.

300MA INERTER TYPE MOBILE X-RAYUNIT

X-RAY GENERATOR

- Type: Inverter (40 KHZ, 18 KW)
- KV Range: 40 KV to 125 KV in 2 KV Steps
- MAS Range: 0.5 MAS to 100 MAS
- MA Range: Max. 300 MA

X-RAY TUBE UNIT

- Focus Size: 1.0mm
- Target Angle: 16 degree

X-RAY BEAM LIMITING DEVICE

- Manual Type
- Projector Lamp: Halogen
- Filtration: 1:2mm AL.EQ. (Total Filtration: Min. 2.5mm AL.EQ.)

MOVEMENT RANGE OF X-RAY TUBE (CENTER OF X-RAY TUBE)

- Vertical: 47 cm to 205 cm from floor to Focus.
- Horizontal: Max. 115 cm
- Lateral Pivoting of X-Ray Tube: $\pm 90^\circ$
- Longitudinal Pivoting of X-Ray Tube: 90° Forward, 15° Backward
- Horizontal Rotation of ARM: $\pm 45^\circ$

CASSETTE BOX

- For storage of at least 8 cassettes.

2. CR STSEM

Model: Branded

Make: Branded

Country of Manufacture and/or Origin: USA / EUROPE / JAPAN or equivalent
SYSTEM MUST HAVE FDA / CE / MHLW.

COMPUTERIZED RADIOGRAPHY SYSTEM

One Digitizer / Reader Unit, Multiple size Plates Type System

Should be capable of reading X-Ray exposed Rigid Imaging Plates (IP) of all standard sizes in inches/cm.

The productivity of reading / digitizing should be minimum 80 IPs/Hr or more of mixed sizes.

Non-contact transport and scanning of IP for longer IP life.

Sealed edge IP for no moisture ingress.

Time to display the image on console should be less than 28 seconds.

Reading function 90 to 180μ One Radiographer Console with users software:

CR console with LCD

Should be capable of entering & editing Patient ID.

Should support Image Preview & Quality Assurance.

Should have the temporary storage capacity of up to 2,000 or more images.

Should comply with DICOM Conformance 3.0 and have standard functions for future connectivity with PACS or other DICOM Modalities inclusive of Print, Storage, etc.

Dry Laser Printers with high throughput providing 2 sizes online

DICOM 3.0 Compliant Grayscale Dry format printers.

Throughput should have productivity of 90 films/ hour or better for mixed sizes

Printer should have feed plates of size 14" x 17", 8" x 10", 10" x 12", 11" x 14",

Printing Matrix size should have 79μm or less

First image print out should be in 55 sec or less.

Rigid Imaging Plates (IP) and Cassettes

14x17 inch (Set of IP'S & Cassettes) (Qty: 3)

10x12 inch (Set of IP'S & Cassettes) (Qty: 3)

8x10 inch (Set of IP'S & Cassettes) (Qty: 3)

11x14 inch (Set of IP'S & Cassettes) (Qty: 3)

DICOM CAPABILITY

DICOM 3 capability for Send, Receive, Archive, Retrieve, and Print.

POWER REQUIREMENT:

Single phase with line voltage of 220V, 50 Hz

3. VENTILATOR ICU (Qty 02)

Model: Branded

Make: Branded

Country of Manufacture and/or Origin: USA / EUROPE / JAPAN or equivalent
SYSTEM MUST HAVE FDA AND CE / MHLW.

Patient Type

Pediatric to adults

Ventilation Modes:

(S)CMV+/APVcmv, SIMV+/APVsimv, PCV+ SPONT, ASV, P- SIMV+

Optional: DuoPaP, APRV, NIV, NIV-ST

Special Functions:

Special functions should include nebulizer, manual breath, 100% O₂,

Standby, sigh, apnea backup ventilation, screen – lock, screen shot, suctioning tool, dimmable screen, configurable quick start settings, tube resistance compensation, start-up over body height and IBW

Tidal volume starting from 20 ml up to at least 2000 ml

PEEP and CPAP ranges from 0 cm H₂O not less than 35 cm H₂O

Integrated CO₂ module optional

Event Log:

Storage and display of not less than 1000 events with date and time

Ventilation Cockpit:

Dynamic Lung: Should show real time visualization of the lungs with representations of tidal volume, lung compliance, resistance and patient activity

Vent Status: Visual representation of the ventilator dependency

Adaptive Support Ventilation target graphics

41 monitoring parameters can be displayed

Power Supplies:

Up to 240 V AC at 50/60Hz

Back up batteries with at least 2 hours functionality including Air Turbine.

Physical Dimensions:

Minimum Screen 8" or more, TFT color, WXGA, backlit with touch screen

To be supplied with Disposable patient breathing circuits for Peads and Adults, supporting arm and original trolley, power cord and operating manual

4. ECG 12-CHANNEL WITH DATA TRANSFER AND VIEWING VIA EMAIL WITH LOCAL ECG TROLLEY (Qty 04)

Model: Branded

Make: Branded

Country of Manufacture and/or Origin: USA / EUROPE / JAPAN or equivalent

SYSTEM MUST HAVE FDA / CE / MHLW

Display: 5.5" or more colour TFT/LCD Display

Alpha Numeric Keyboard and One-Touch Operation

Automatic Measurement and Interpretation for Adult and Paediatrics

Defibrillator Protection

Pacemaker Detection

12 Standard Leads simultaneous or sequential acquisition mode

Gain: 1.5, 2.5, 5, 10, 20 mm/mV

Auto Gain Control

ECG Acquisition:

Sensitivity: 10 mm/mV $\pm 2\%$

Calibration: 10 mm/mV $\pm 2\%$

Input impedance: $\geq 20\text{ M}\Omega$

Electrode offset tolerance: $\geq \pm 550\text{mV}$

Frequency response: 0.05 Hz to 150 Hz (-3 dB) (drift filter: off, high-cut filter: 150 Hz)

Digital conversion resolution: $1.25\text{ }\mu\text{V}$

Electrode check: Every electrode except N(RF)

ECG acquisition time in automatic recording: 10 -24s

Common mode rejection ratio: $\geq 100\text{ dB}$

Signals:

Analysis sampling rate: 500 samples/s

Acquisition sampling rate: 8000 samples/s

AC interference filter: 50/60Hz

Time constant: $\geq 3.2\text{ s}$

High cut filter: 75, 100, 150 Hz

EMG suppression filter: 25, 35 Hz

Waveform status detection: Electrode detachment

(Polarization voltage), Noise (high frequency)

Minimum detection voltage: $< 20\text{ }\mu\text{Vp-p}$

Drift filter: weak: 0.1 Hz (-20db),

strong: 0.1 Hz (-34db)

Recorder:

Printing process: High resolution thermal print head Printing density: 200 dpi (8 dots/mm), 320 dot/mm² (25 mm/s) Horizontal: 40 dots/mm (at 25 mm/s) Vertical: 8 dots/mm Scanning line

density: 1 ms Paper width: 210 mm Recording width: 200 mm Number of channels: 3, 4, 6, 12
Paper speed: 5, 10, 12.5, 25, 50 mm/s
Local Trolley with imported castors

Battery:

Built-in Battery with charger
Battery backup time of 60 minutes

Storage:

Up to 40 ECG files can be stored in the internal memory.

Viewer software for remote viewing on PC (Qty 02)

220/240V AC 50/60Hz

5. MONITORS ECG, NIBP, SpO2, RESPIRATION, DUAL IBP (Qty 02)

Model: Branded

Make: Branded

Country of Manufacture and/or Origin: USA / EUROPE / JAPAN or equivalent

SYSTEM MUST HAVE FDA / CE

MONITOR:

For monitoring of patients Vital Signs ECG, RESP. NIBP & SPO2.

Operating Features and Characteristics:

Non fade TFT color display

Electro-surgical interference suppression/protection

Defibrillator protection

Freeze and cascade facility

Waveform trace speed: 6.25, 12.5, 25 Or 50 mm/sec

Screen Size: min. 12" or more TFT/LCD color Touch Screen display

WAVEFORMS 6 OR MORE

Enlarge numeric Screen to view numeric data from the distance.

PARAMETERS:

ECG:

Numeric: heart rate

3 Lead ECG cable.

CMRR: ≥ 95 dB.

Pace maker detection.

Pace maker pulse rejection capability.

Non-Invasive Blood Pressure (NIBP):

Method: Oscillometric principle

Numeric: Systolic, diastolic and mean pressures

Selectable auto inflate interval settings

Rising cuff / continuous pressure display

Temperature:

Numeric: Temperature selectable in $^{\circ}\text{C}$ / $^{\circ}\text{F}$

Pulse Oximetry:

Numeric: 0-100% oxygen saturation measuring range.

Arrhythmia Analysis:

Arrhythmia analysis and ST analysis.

Arrhythmia items 10 or more.

Respiration:

Breathe rate display and alarms.

Sweep speed; 1.56, 6.25, 12.5 or 25 mm/sec.

Trend:

Graphical and Tabular 120 hours or more

Full Disclosure:

Upto 120 hours of ECG full disclosure waveform display.

Interbred Function:

Interbred Function gives quick access to check any patient in the network.

HL7 Connectivity

Alarms:

High & low (settable) on all parameters

Visual and audible indication of alarms.

Alarm History storage capacity 120 hours or more.

Operating Requirements:

Ac 220v/50hz

Built-in rechargeable battery for at least 6 hours or more AC power failure at full parameter.

DUAL IBP.

ETCO2 MAIN STREAM:(Quote Optionally)

AIRWAY ADAPTER (05 PCS)

6. DEFIBRILLATOR WITH PAKING ECG, NIBP, SpO2 (Qty 02)

Model: Branded

Make: Branded

Country of Manufacture and/or Origin: USA / EUROPE / JAPAN or equivalent
SYSTEM MUST HAVE FDA / CE / MHLW.

BIPHASIC DEFIBRILLATOR:

Display 6.5" inch or more color LCD TFT

- Defibrillator with color monitor and recorder mains 220V/50Hz 1 phase.
- Built in rechargeable battery for minimum 100 shocks at maximum energy.
- Energy delivered 2-270 joules or more.
- Quick ECG waveform recovery after defibrillation, the ECG waveform recovers within 3 seconds.
- Defibrillator should have discharge button on both main unit and the paddle.
- Charging time should be less than 5 seconds for 270 joules.
- Self-test should be available to ensure reliable use of the defibrillator, whenever the power is turned on or off or the power cord is connected or disconnected. The self-test checks the battery expiration date and remaining voltage, and the High-Voltage circuit.
- Self-test result should be saved in internal memory for later review.
- Bi-Phasic waveform delivery system, ECG through paddles and patient cable,
- Trace Speed 25 mm/sec.
- Discharge button should be on paddles and main unit.
- Contact Indicator to check for optimal skin contact via LED'S on paddles, delivered energy level to be printed on the print out.
- Recorder speed 25mm/sec with standard paper, digital HR with low/high alarm and Adult & Paediatric Paddles.
- Voice recording Surrounding sound, synchronized with the ECG waveform, and should be recorded.
- AED Cable with pad.
- Pacing facility through AED adapter cable.
- Should have upgradable capability to measure SPO2 & CO2 (Main Stream). Quote optionally

7. High End Patient Transfer Trolley (Qty 05)

Model: Branded

Make: Branded

Country of Manufacture and/or Origin: USA / EUROPE / JAPAN or equivalent
SYSTEM MUST HAVE FDA / CE / MHLW.

Heavy duty patient transfer trolley with Aluminum frame, crank-operated hi-lo adjustment plastic bottom with back-raising system, transfer mattress, holder for oxygen cylinder and fold-down safety bedside rails.

8. Emergency Resuscitation Trolley with Defib (Qty 05)

Model: Branded

Make: Branded

Country of Manufacture and/or Origin: USA / EUROPE / JAPAN or equivalent
SYSTEM MUST HAVE FDA / CE / MHLW.

Emergency resuscitation trolley with standard accessories and bi-phasic defibrillator with 6 inch or more large color LCD TFT screen. Specifications as below :

BIPHASIC DEFIBRILLATOR:

Display 6.5" inch or more color LCD TFT

- Defibrillator with color monitor and recorder mains 220V/50Hz 1 phase.
- Built in rechargeable battery for minimum 100 shocks at maximum energy.
- Energy delivered 2-270 joules or more.
- Quick ECG waveform recovery after defibrillation, the ECG waveform recovers within 3 seconds.
- Defibrillator should have discharge button on both main unit and the paddle.
- Charging time should be less than 5 seconds for 270 joules.
- Self-test should be available to ensure reliable use of the defibrillator, whenever the power is turned on or off or the power cord is connected or disconnected. The self-test checks the battery expiration date and remaining voltage, and the High-Voltage circuit.
- Self-test result should be saved in internal memory for later review.
- Bi-Phasic waveform delivery system, ECG through paddles and patient cable,
- Trace Speed 25 mm/sec.
- Discharge button should be on paddles and main unit.
- Contact Indicator to check for optimal skin contact via LED'S on paddles, delivered energy level to be printed on the print out.
- Recorder speed 25mm/sec with standard paper, digital HR with low/high alarm and Adult & Paediatric Paddles.
- Voice recording Surrounding sound, synchronized with the ECG waveform, and should be recorded.
- AED Cable with pad.
- Pacing facility through AED adapter cable.

9. ANGIOGRAPHY MACHINE

Model: Branded

Make: Branded

Country of Manufacture and/or Origin: USA / EUROPE / JAPAN or equivalent
SYSTEM MUST HAVE FDA AND CE / MHLW.

A fully digital flat panel single plane Cardiac Angiography / Cardiac catheterization system, dedicated for diagnostic & interventional cardiac procedures with following minimum specifications and application software's.

The quoted model must be latest and bidder must mention the number of systems installed worldwide and in Pakistan.

The vendor must have sold same angiography equipment in the country and submit letter of satisfaction regarding after sales service from five reputable public/private centers of Pakistan.

1. POSITIONING ARM: Frontal Arm Stand.

- i. The system should be ceiling mounted for easy patient access.
- ii. Real time display of rotation angulations.
- iii. Geometry: C-arm / G-arm
- iv. RAO / LAO +/- 105 ° or more.
- v. Cranial / Caudal: Min. +/-45° In all detector positions
- vi. Rotation Speed: 20°/sec or more in LAO / RAO.
- vii. Isocentric Height: Variable / Fixed.
- viii. Auto Positioning: Programmable auto positioning of selected.
- ix. Angulations, (30 or more) programmable positions)
- x. The control panel can be mounted at any side of the patient table.
- xi. All the rotational / angles should be digitally displayed
- xii. Motorized / manual parking / rotation of the positioning arm.

2. DIGITAL FLAT PANEL DETECTOR 8 x 8 INCH or Larger

- i. Single plane C-Arm / G-Arm
- ii. Image matrix of 1024 x 1024 x 14 bits or more.
- iii. Standard cardiology size with three formats.
- iv. Built in temperature stabilizer.
- v. Integrated collision protection feature.
- vi. All other standard accessories according to this digital flat panel.
- vii. Dose management with fluoro filters range of 0.1/0.2mm to 0.9/1.0 mm Cu
- viii. Pixel Size of 200 um or better.
- ix. Removable grid for pediatric application.

3. PATIENT SUPPORT/ TABLE:

- i. All table side movement controls.
- ii. Table top should be of such construction in material and durability to accept patient's weight of not less than 150 kg plus 100 kg for resuscitation.
- iii. Table dimensions should be able to accommodate patients of all ages.
- iv. Table top should have large metal free over hang for un-obstructed imaging coverage.
- v. Complete accessories should be provided including arm holder.
- vi. Hand grip, arm support and arm rest and positioning aids.
- vii. Left/right table pivoting: +/-90 degree.

4. X-RAY TUBE:

- i. Triple focus with at least 2.75 MHU or better anode heat storage. (X-ray tube with 3.0MHU –3.5MHU will be preferred).
- ii. Large Capacity to enable continuous heat dissipation during serial exposure. Tube power should be same as generator power i.e. 100kw.
- iii. Rotating anode bearing less liquid metal technology tube.
- iv. Dose management with auto adjustment filter filters.

5. X-RAY GENERATOR:

- i. Microprocessor based high frequency using fiber optic for data communication between each imaging system.
- ii. Dedicated X-Ray generator of 100KW.
- iii. Radiographic rating minimum 1000mA.
- iv. Serial filming exposures with shortest exposure of 1ms, with automatic kV and mA control for optimum image quality.
- v. The system should have capability of digital radiography and fluoroscopy.
- vi. Should have capability of doing digital pulsed fluoroscopy at 10/2.5/15 frames and 25/30frames per second.
- vii. Automatic kV, mA & pulse width regulations.

6. DIGITAL IMAGING AND ACQUISITION / FLUOROSCOPY:

- i. Digital system.
- ii. Acquisition, storage and display in 1024 x 1024 x 12 bits or more at 12.5 / 15 and 25/30 FPS.
- iii. Parallel processing capability / multitasking facility.
- iv. Real time filtering and road map function.
- v. Magnetic Disk Capacity for Storage of 100,000 images in 1024 x 1024 on the magnetic disk of main console.
- vi. Minimum scene length to be 10 seconds in 1024 matrix.
- vii. Digital pulsed fluoroscopy with 12.5 / 15 and 25 / 30 FPS in 1024 x 1024 x 10 bits or more.
- viii. Images to be stored on and retrieved from archival disks for possible manipulation using available software packages.
- ix. Digital Subtraction Angiography Package and rotational Digital Angiography package.

7. MONITORING SYSTEM:

- i. Two monitors for live images and road mapping in the examination room 18 inch or larger LCD/LED
- ii. Two monitors for live images and road mapping in the control room 18 inch or larger LCD/LED.
- iii. All the monitors will be of Medical Graded, complied with international standards

8. RECORDING / ARCHIVING & COMMUNICATION SYSTEM:

- i. Recording / archiving system should be DICOM-3 compatible.
- ii. The digital images should be stored as backup on CD/DVD.
- iii. DICOM (send/storage, commitment, retrieve/query)

- iv. Ethernet connection to connect with other terminals.
- v. Integrated Intercom system.

9. SOFTWARE / HARDWARE PACKAGES:

- i. Complete analysis package for the following cardiac applications.
- ii. Dynamic pre and post PTCA / valvotomy comparison with one image live and other reference.
- iii. Automatic loop replay after acquisition or fluoroscopy.
- iv. Dynamic real time pan / zoom.
- v. Dynamic real time digital image processing like edge enhancement or gamma correction, noise reduction (spatial filtration.)
- vi. Simultaneous display of fluoroscopy and reference images, not only as static images but as dynamic loop.
- vii. Online image density (gray scale) correction.
- viii. Facility to review previous studies in the examination room from the patients old CD.
- ix. Automatic positioning of the C-Arm corresponding to reference image.
- x. Store floro facility to store fluoroscopy.
- xi. Lead Glass Window. Size 5 x3 feet

10. ACCESSORIES OF ANGIOGRAPHY SYSTEM:

PHYSIOLOGICAL HEMODYNAMIC MONITORING SYSTEM: Multichannel (14 channels or more) to record at least 2 channels IBP, Cardiac output with thermo dilution method. 12 lead ECG, and SpO2 measurement.

11. QUALITY & SAFETY STANDARDS / RADIATION PROTECTION:

Main angiography system and other above mentioned accessories should have FDA 510K approval & MDD (CE) compliance and country of manufacturing should be USA, Europe, Japan.

12. OTHER ACCESSORIES FOR ANGIOGRAPHY SUITE

UPS -120 KVA or more sine wave online with battery bank to support whole system with at-least 10minutes back up time. Must be quoted separately.

13. Room renovation for installation of angiography system must be quoted separately.

10. Whole Blood Oxymeter (Qty 01)
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Model: Branded

Make: Branded

Country of Manufacture and/or Origin: USA / EUROPE / JAPAN or equivalent
SYSTEM MUST HAVE FDA AND CE / MHLW.

Whole Blood Oxymeter for cath. Room

11. ACT Machine (Qty 01)

Model: Branded

Make: Branded

Country of Manufacture and/or Origin: USA / EUROPE / JAPAN or equivalent
SYSTEM MUST HAVE FDA AND CE / MHLW.

Activated Clotting Time (ACT) Machine for Cath. Room

12. MOTORIZED BEDS (Qty 16)

Model: Branded

Make: Branded

SYSTEM MUST HAVE FDA / CE / MHLW.

General Specifications:

- 4 motorized electric bed
- Movement:
 - Back Raise 0-70 degree
 - Knee raise 0-25 degree
 - Hi-low adjustment from 450mm to 780mm (Mattress base)
 - Trendelenburg/Reverse Trendelenburg position 0+-12,
(Can be used while bed in any position by pressing one button)
- Auto contour Position.
- One button cardiac chair position
- Fixable patient controller on side rail
(Auto contour, Back raise, Knee Raise and hi- low adjustment) with locking function.
- Nurse control panel (can be stored under foot board)
- Electric CPR function and Manual CPR function both.
- Battery with low battery indicator
- Low height indicator on nurse control panel.
- PE plastic split side rail (With safety standard of IEC 60601-2-52)
- Gas spring shock absorber
- 385 mm effective side rail height with zero sliding gap.
- Anti-static caster.
- 125 mm single wheel caster with total locking system.
- Steel pressed mattress base
- Seamless smooth surface for easy and quick cleaning
- No welding corners
- The hinge parts are made of steel
- Leg angle adjustment
- Angle indicator for back section at both sides
- Head/Foot board
- With auto locking stopper
- Radiolucent backrest for X-ray
- Detachable in a single operation
- Smooth surface for easy and quick cleaning
- Roller bumpers at each corner of bed.
- Accessory rails on each side of bed for urine and drainage bags etc.
- Safe working load 240 KG.
- Over-bed table and bedside cabinet from the same manufacturer

Mattress

- Size: W: 910mm L: 2000mm TH: 125mm
- Double - Layer system (Slow Rebound surface and Quick Rebound Surface)
- Reversible pressure reduction mattress
- Two different colors identify hard and soft surface
- Cover: MRSA anti bacterial, Fire retardant, Water proof surface
- Material of cover: Polyester with polyurethane film laminated

13. Monitors ECG, NIBP, SpO2 (Qty 16) + Central

Model: Branded

Make: Branded

SYSTEM MUST HAVE FDA / CE / MHLW.

MONITOR:

For monitoring of patients Vital Signs ECG, RESP. NIBP & SPO2.

Operating Features and Characteristics:

Non fade TFT color display

Electro-surgical interference suppression/protection

Defibrillator protection

Freeze and cascade facility

Waveform trace speed: 6.25, 12.5, 25 Or 50 mm/sec

Screen Size: min. 10" or more TFT/LCD color Touch Screen display

WAVEFORMS 4 OR MORE

Enlarge numeric Screen to view numeric data from the distance.

PARAMETERS:

ECG:

Numeric: heart rate

3 Lead ECG cable.

CMRR: ≥95dB.

Pace maker detection.

Pace maker pulse rejection capability.

Non-Invasive Blood Pressure (NIBP):

Method: Oscillometric principle

Numeric: Systolic, diastolic and mean pressures

Selectable auto inflate interval settings

Rising cuff / continuous pressure display

Temperature:

Numeric: Temperature selectable in °C / °F

Pulse Oximetry:

Numeric: 0-100% oxygen saturation measuring range.

Arrhythmia Analysis:

Arrhythmia analysis and ST analysis.

Arrhythmia items 10 or more.

Respiration:

Breathe rate display and alarms.

Sweep speed; 1.56, 6.25, 12.5 or 25 mm/sec.

Trend:

Graphical and Tabular 120 hours or more

Full Disclosure:

Upto 120 hours of ECG full disclosure waveform display.

Interbred Function:

Interbred Function gives quick access to check any patient in the network.

HL7 Connectivity:**Alarms:**

High & low (settable) on all parameters

Visual and audible indication of alarms.

Alarm History storage capacity 120 hours or more.

Operating Requirements:

Ac 220v/50hz

Built-in rechargeable battery for at least 6 hours or more AC power failure at full parameter.

DUAL IBP.(quote optionally)**ETCO2 MAIN STREAM: (quote Optionally)**

AIRWAY ADAPTER (05 PCS)

CENTRAL STATION FOR 16 BEDS**UPGRADABLE TO CONNECT UP TO 48 BEDS.**

Multi-channel 19-inches or more colored LCD Touch Screen.

Recording facility on Laser Printer.

HR with high and low alarms on all parameters selected on bedside monitors.

Other parameters to be monitored as selected in the bedside monitors with automatic recording on alarm.

Operating Features and Characteristics:

Waveform display method: Non Fade, Fixed Trace.

Sweep speed: 50, 25, 6.25 mm/s.

Waveform Display items: ECG, IBP, Respiration, SPO2, CO2 etc.

Capability to store 120-hours trend data.

Trend display format: Trend graph and Tabular data.

Capability to store 120-hour full disclosure.

Built-in automatic Arrhythmia analysis and ST analysis.

LAN connectivity.

14. Syringe Pumps (Qty 04)

Model: Branded

Make: Branded

Country of Manufacture and/or Origin: USA / EUROPE / JAPAN or equivalent
SYSTEM MUST HAVE FDA / CE / MHLW.

Syringe pump with standard accessories

15. Suction Units (Qty 04)

Model: Branded

Make: Branded

Country of Manufacture and/or Origin: USA / EUROPE / JAPAN or equivalent
SYSTEM MUST HAVE FDA / CE / MHLW.

Suction Units with standard accessories

Tubing	Silicon or PVC
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Foot switch Cable length	3.5m
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Suction Capacity	60l/min
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Standard Operation	50l/min
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Safety set

Vacuum gauge in KPa and mmHg

Flow change buttons

Membrane vacuum regulator

Standby indicator

Four castors with brakes

Local Trolley with Imported Wheels

Antibacterial Filters

Double Set 5L Reusable jar

Clamp Holder

Foot Switch

Disposable Tubings

16.X-RAY with Table Bucky and Chest Stand

Model: Branded

Make: Branded

Country of Manufacture and/or Origin: USA / EUROPE / JAPAN or equivalent

SYSTEM MUST HAVE FDA / CE / MHLW

50KW AND 500mA or MORE GENERAL RADIOGRAPHIC X-RAY SYSTEM:

a) 50kW High Frequency Inverter Type X-Ray Generator. Inverter frequency 30KHz or more.

AEC detector

User Programmable Radiography Capable to Provide 100 programs or more.

Auto exposure control.

Radiographic Ratings: 630mA /50kV to 80kV (0.1 Sec.)
 500mA /40kV to 100kV (0.1 Sec.)
 320mA /40kV to 150kV (0.1 Sec.)

Exposure time: 0.001 to 9.0 Sec.

(b) ROTATING ANODE X-RAY TUBE

- Rotating anode dual focus 0.6 & 1.2 mm X-Ray Tube
- Anode Heat Storage Capacity 300KHU.

(c) TUBE STAND

- Floor-to-Ceiling type X-Ray Tube support.
- Longitudinal Movement: 250 cm or more.
- Lateral Movement: 40 cm or more.
- Vertical Movement: 166 cm or more.
- With Manual Beam limiting device
- and High Tension Cables.

(d) FOUR WAY MOVING TABLE TOP BUCKY TABLE

- Cassette Size: 18 x 24 cm to 35 x 43 cm (8" x 10" to 14" x 17")
- Floating Stroke: Longitudinal 90cm or more.
- Lateral \pm 12cm.
- Bucky Device: Oscillating grid.
- Grid Ratio: 8:1.

(e) VERTICAL BUCKY STAND

- Vertical Movement of the Bucky Device: approx.120 cm
- Compatible Cassette Size 18 x 24 cm to 35 x 43 cm (8" x 10" to 14" x 17")
- Bucky Device Movement and Lock: Counterweight and Electromagnetic lock.
- Grid Movement: Oscillating Motion System.
- Grid Ratio: 8:1.

17. ECHOCARDIOGRAPHY MACHINE (Qty 02)

Model: Branded

Make: Branded

Country of Manufacture and/or Origin: USA / EUROPE / JAPAN or equivalent
SYSTEM MUST HAVE FDA AND CE / MHLW.

DIGITAL ECHOCARDIOGRAPHY MACHINE

FULLY DIGITAL BEAM FORMER HAVING 128 PHYSICAL CHANNELS AND 100,000 OR MORE PROCESSING CHANNELS WITH INTEGRATED DATA MANAGEMENT SYSTEM HAVING 500GB HARD DISK DRIVE FOR STILL AND CINE CLIPS STORAGE.

- 2D/M-MODE
- DOPPLER
- PW, CW & HPRF DOPPLER
- COLOR FLOW IMAGING
- SYSTEM CAPABILITY 2.5 – 18 MHZ OR MORE
- M-MODE
- Touch command LCD screen 5-8 inches
- TISSUE HARMONIC IMAGING
- TISSUE DOPPLER IMAGING WITH PW TDI
- VIEWING DEPTH: 40CM Minimum
- FRAME RATE 500 OR MORE
- BUILT-IN CINE MEMORY : 250MB OR MORE
- REAL TIME FREEZE & IMAGE MAGNIFICATION ABILITY> 4X
- PRE & POST PROCESSING
- SWEEP SPEED: SLOW, MEDIUM, FAST
- 8" OR MORE TOUCH COMMAND SCREEN FOR EASY OPERATION OF THE SYSTEM.
- SYSTEM DYNAMIC RANGE : 250dB

3.1 DOPPLER MODE SPECIFICATIONS

PULSE REPETITION FREQUENCY RANGE

- PWD; 0.3 TO 50 KHZ CWD; 1.4 TO 50 KHZ
- HIGHEST VELOCITY RANGE; 130CM OR MORE
- LOWEST DETECTABLE VELOCITY RANGE; 0.03 CM/s FOR PWD AND 3.2 cm/s FOR CWD

MAXIMUM DETECTABLE VELOCITY RANGE;

PWD= 1800CM OR MORE, CWD= 2100CM OR MORE

DOPPLER BEAM STEERING

ON LINE 3-PORTS FOR TRANSTHORASIC PROBES FOR IMAGING (ALL PORTS SHOULD HAVE OPTION) FOR CW, PW, AND COLOR DOPPLER

DOPPLER BEAM STEERING AND BI-DIRECTIONAL STEREO AUDIO.

COLOR DOPPLER

BOTH CW & PW DOPPLER MUST BE CONTINUOUSLY STEARABLE IN COLOR BLOOD FLOW IMAGING MODE IN REAL TIME

COLORIZED SPECTRUM DISPLAY

TISSUE HARMONIC IMAGING WITH TWO FREQUENCY

2D IMAGE WITH COLOR FLOW

POWER DOPPLER

AUTO IMAGE OPTIMIZATION/QUICK SCAN FOR SINGLE BUTTON OPTIMIZATION OF ALL SCANNING PARAMETERS INCLUDING STC OVERALL GAIN AND DOPPLER SPECTRUM.

COMPOUND SCANNING USING FREQUENCY AS WELL AS SPATIAL COMPOUNDING.

TRAPEZOID IMAGING / WIDE VIEW.

TISSUE ENHANCEMENT /PRECISION IMAGING TO ENHANCE B-MODE IMAGING, DETAILED IN LAYERS AND BOUNDARIES AND SHARPENED OUTLINES OF THE LESIONS AND REDUCE CLUTTERING.

MEASUREMENT PACKAGE TO PROVIDE COMPREHENSIVE SOFTWARE PACKAGE FOR MEASUREMENT OF DISTANCE CIRCUMFERENCE, AREA, TIME, DEPTH ETC. AND SEPARATE SOFTWARE FOR, CARDIOVASCULAR INCLUDING VENOUS DOPPLER STUDY, IMT (INTIMA MEDIAL THICKNESS)

SYSTEM COMPLETE WITH FOLLOWING FACILITIES AND ACCESSORIES

FULL 19-INCHES OR MORE DISPLAY AREA FOR DIAGNOSTIC IMAGING LCD/TFT COLOR MONITOR, WITH RESOLUTION 1280 x 1024 PIXELS MINIMUM.

MINIMUM 3-PORTS FOR TRANSDUCER.

STANDARD PROBES

2 – 4 MHZ MULTIFREQUENCY PHASED ARRAY SECTOR PROBE WITH 3-THI FREQUENCIES FOR ADULTS.

3 – 6 MHZ MULTIFREQUENCY PHASED ARRAY SECTOR PROBE WITH 3-THI FREQUENCIES FOR PEADS.

5 – 11 MHz MULTI-FREQUENCY LINEAR PROBE WITH 3-THI FREQUENCIES FOR B, M, B/M, PW AND COLOR MODES.

STD RECORDING DEVICES

- BUILT-IN CD/DVD RECORDER FOR DIGITAL IMAGE STORAGE
- EXTERNAL 4 CHANNEL USB
- LID DISPLAY TO INDICATE THE ACTIVE PROBE
- SYSTEM TO HAVE DICOM COMPATIBILITY.
- B/W THERMAL PRINTER.
- COMPATIBLE UPS.
- ECG gating

OPTIONALS (TO BE QUOTED SEPARATELY)

- Convex probe for abdominal imaging

18. Four-BEDS TELEMETRY MONITORS WITH CENTRAL MONITOR

Model: Branded

Make: Branded

Country of Manufacture and/or Origin: USA / EUROPE / JAPAN or equivalent
SYSTEM MUST HAVE FDA / CE / MHLW

WIRELESS TELEMETRY SYSTEM:

- No. of Patient 4
- 15 inches or more color LCD display.
- ECG, Resp., SPO2, NIBP, Temperature.
- Intuitive touch screen operation.
- Individual side alarm indicator
- Visual and audio alarm.
- Built in LAN port.
- 96 hours of Full Disclosure.
- Arrhythmia analysis.
- 3-channels built in recorder
- Paper speed: 25 or 50 mm/s.
- AC and Battery operation.
- All beds data should be shown simultaneously in on screen.
- Trend parameters: Heart rate, pulse rate, respiration rate, VPC rate, ST level, apnea (Time), apnea (frequency), SpO2, NIBP (systolic, diastolic and MAP).

Transmitter specifications:

- Transmission power: less than 1.0 mW.
- Transmission Frequency: 420.0500 to 449.6625 MHz.
- Channel Spacing: 12.5 kHz.
- Defibrillator protection
- ESU protected
- Battery type: AA Type alkaline dry cell battery (should be easily available in the market).
- Transmitter for ECG, and Resp., and SpO2. Qty 4.

19. Monitors ECG, NIBP, SpO2 (Qty 20)

Model: Branded

Make: Branded

SYSTEM MUST HAVE FDA / CE / MHLW

MONITOR:

For monitoring of patients Vital Signs ECG, RESP. NIBP & SPO2.

Operating Features and Characteristics:

Non fade TFT color display

Electro-surgical interference suppression/protection

Defibrillator protection

Freeze and cascade facility

Waveform trace speed: 6.25, 12.5, 25 Or 50 mm/sec

Screen Size: min. 12" or more TFT/LCD color Touch Screen display

WAVEFORMS 6 OR MORE

Enlarge numeric Screen to view numeric data from the distance.

PARAMETERS:

ECG:

Numeric: Heart rate

3 Lead ECG cable.

CMRR: $\geq 95\text{dB}$.

Pace maker detection.

Pace maker pulse rejection capability.

Non-Invasive Blood Pressure (NIBP):

Method: Oscillometric principle

Numeric: Systolic, diastolic and mean pressures

Selectable auto inflate interval settings

Rising cuff / continuous pressure display

Temperature:

Numeric: Temperature selectable in $^{\circ}\text{C}$ / $^{\circ}\text{F}$

Pulse Oximetry:

Numeric: 0-100% oxygen saturation measuring range.

Arrhythmia Analysis:

Arrhythmia analysis and ST analysis.

Arrhythmia items 10 or more.

Respiration:

Breathe rate display and alarms.

Sweep speed; 1.56, 6.25, 12.5 or 25 mm/sec.

Trend:

Graphical and Tabular 120 hours or more

Full Disclosure:

Upto 120 hours of ECG full disclosure waveform display.

Interbred Function:

Interbred Function gives quick access to check any patient in the network.

HL7 Connectivity:**Alarms:**

High & low (settable) on all parameters

Visual and audible indication of alarms.

Alarm History storage capacity 120 hours or more.

Operating Requirements:

Ac 220v/50hz

Built-in rechargeable battery for at least 6 hours or more AC power failure at full parameter.

20. 3-CRANK Manual Beds Imported (Qty 60)

Model: Branded

Make: Branded

Country of Manufacture and/or Origin: USA / EUROPE / JAPAN or equivalent

SYSTEM MUST HAVE FDA / CE / MHLW

Imported 3-crank manual beds for ward patients

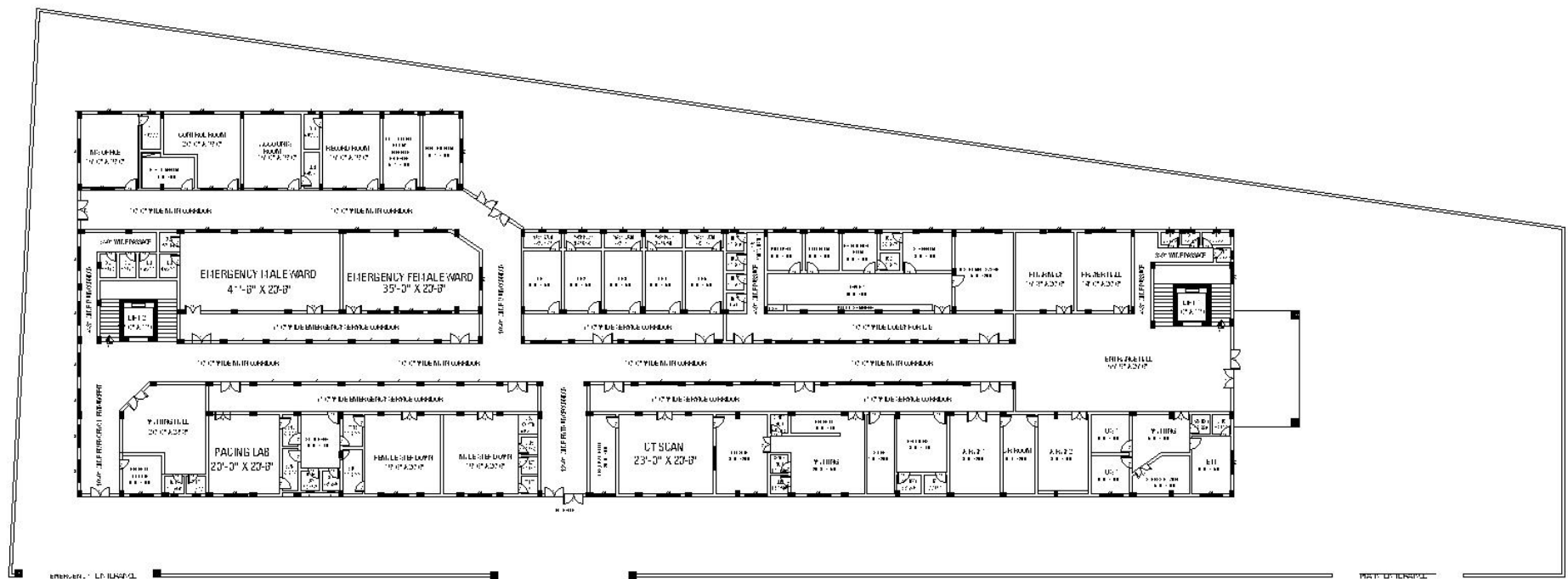
- Back Raise 0-70 degree
- Knee raise 0-45 degree
- Mattress Base Height 330– 710mm
- Total Length – 2158mm
- Total Width – 1040mm
- Mattress Base Size 910mm
- Collapsible half-length side rail.
- Removable Head/foot board with flat surface design easier cleaning, chemical resistant.
- Torque Release crank handle
- Horizontal side rail for repositioning patient
- Caster locking style should be central locking.
- 125mm double wheel caster (Made of rubber) with central lock.
- Space under the bed for easy cleaning
- Easy transportation head/foot board
- Safe working load – 204 kg or more
- IV pole one with each bed
- Bed side cabinet
- Over the bed dinner table

Mattress

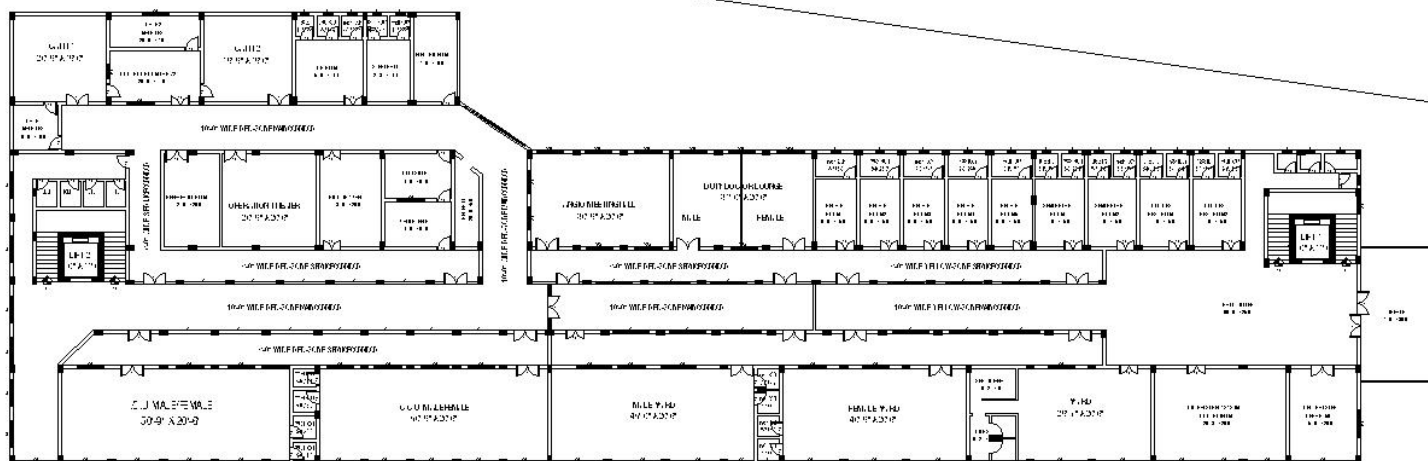
- Total Length: 1910 mm or more
- Total Width: 910 mm or more
- Total Thickness: 120 mm or more
- Mattress cover with MRSA antibacterial treatment
- Cover Material – PVC
- Core Material – Polyurethane

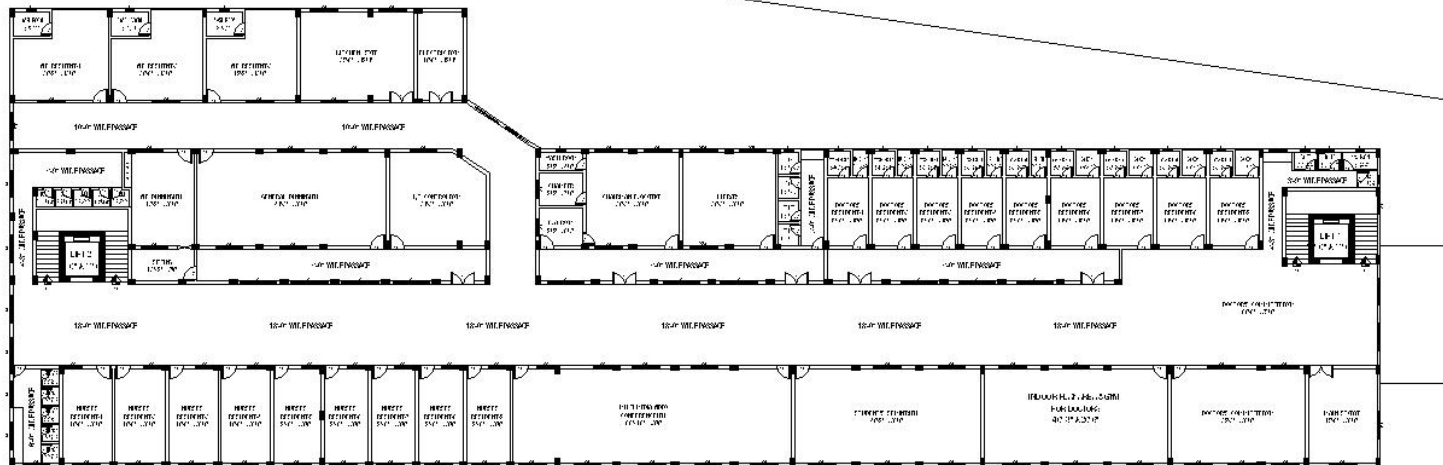
SECTION – X

TENDER DRAWINGS



GROUND FLOOR PLAN





2ND FLOOR PLAN