Province Government
Ministry of Social Development
Province Health Logistic Management Center
Province 2, Janakpurdham, Dhanusha

PROCUREMENT OF EQUIPMENT & ACCESSORIES FOR MANIPAL COVID HOSPITAL, JANAKPURDHAM

Provision Concerning Procurement to be Made in Special Circumstances (Pulic procurement Act, 2063 ko dafa 66 and Public procurement regulation, 2064 rule 145)

IFB NO. P2/PHLMC/G/COVID-19/CR24/2077/078

Issued on:- ……
Issued to:- …….
Dispatch No:- ……
Date:-

प्रदेश सरकार
सामाजिक विकास मन्त्रालय
प्रदेश नं. २
प्रदेश स्वास्थ्य आपूर्ति व्यवस्थापन केन्द्र
जनकपुरधाम, धनुषा, नेपाल

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Abbreviations

BDS..... Bid Data Sheet

BD ..... Bidding Document

DCS..... Delivery and Completion Schedule

DP …….Development Partner

EQC ..... Evaluation and Qualification Criteria

GCC ..... General Conditions of Contract

GoN ..... Government of Nepal

ICC..... International Chamber of Commerce

IFB ..... Invitation for Bids

ITB ..... Instructions to Bidders

LGRS ..... List of Goods and Related Services

NCB ……. National Competitive Bidding

PAN ……..Permanent Account Number

PPMO ……Public Procurement Monitoring Office

SBD..... Standard Bidding Document

SBQ..... Schedule of Bidder Qualifications

SCC……. Special Conditions of Contract

SR ..... Schedule of Requirements

TS..... Technical Specifications

VAT ..... Value Added Tax

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Province Government
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Invitation for Bids for the PROCUREMENT OF EQUIPMENT & ACCESSORIES FOR MANIPAL COVID HOSPITAL, JANAKPURDHAM

Contract Identification No: **P2/PHLMC/G/COVID-19/CR24/2077/078**

Date of publication :20th June, 2021 (6th Asadh 2078)

1. The Ministry of Social Development, Province Health Logistic Management Center invites bids from eligible bidders for the procurement of Equipment & Accessories For Manipal Covid Hospital, Janakpurdham under **Provision Concerning Procurement to be made in Special Circumstances** procedures as specified in Public Procurement Act and Regulations.
2. The bidder may submit the bid for single or more slices as mentioned below and offer discounts/ cross discounts. Evaluation will be done Package Basis, with contracts awarded based on the award combination that is of least cost to the Purchaser.

S.N.	Contract Identification No.	Description Of Goods	Cost of Biddings Documents non-Refundable(NRs.)	Amount of Bid Security (NRs.)	Remarks
Package-1	P2/PHLMC/GOODS/COVID-19/CR24/2077/078	PROCUREMENT OF EQUIPMENT & ACCESSORIES FOR MANIPAL COVID HOSPITAL, JANAKPURDHAM	NRs. 5000/-	Nrs 8,87,000/-	
Package-2	P2/PHLMC/GOODS/COVID-19/CR24/2077/078	PROCUREMENT OF EQUIPMENT & ACCESSORIES FOR MANIPAL COVID HOSPITAL, JANAKPURDHAM	NRs. 3000/-	Nrs 2,44,000/-	
Package-3	P2/PHLMC/GOODS/COVID-19/CR24/2077/078	PROCUREMENT OF EQUIPMENT & ACCESSORIES FOR MANIPAL COVID HOSPITAL, JANAKPURDHAM	NRs. 3000/-	Nrs 2,20,000/-	
Package-4	P2/PHLMC/GOODS/COVID-19/CR24/2077/078	PROCUREMENT OF EQUIPMENT & ACCESSORIES FOR MANIPAL COVID HOSPITAL, JANAKPURDHAM	NRs.3000/-	Nrs 4,16,000/-	

3. Eligible Bidders may obtain further information and inspect the bidding documents at the office of Province Health Logistic Management Center, and Mobile no. 9851196957 or may visit phlmc.p2.gov.np
4. A complete set of bidding documents is available in phlmc.p2.gov.np Bidders have submitting their bid should deposit as above given table of cost of bidding document in the following Rajaswa (revenue) account as specified below:

   Name of the Bank: Rastriya Banijya Bank, Janakpurdham
   Name of the Office: Province Health Logistic Management Center
   Office Code No. : 3500717012
   Dharauti Account No. : 1220100202030000
   Revenue Head No. : 14229
   Name of the Account: Pradesh Lekha Niyantrak Karyalaya Province No.2, janakpurdham

5. Sealed Hard copy bids must be submitted to the Province Health Logistic Management Center**, Province 2 Janakpurdham, Dhanusha** by hand on before 12.00 hour on 23rd June**, 2021 (9th Ashadh 2078).** Bids received after this deadline will be rejected.
6. The bids will be opened in the presence of Bidders' representatives who choose to attend at **14:00** hours on 23rd June**, 2021 (9th Ashadh 2078)** at the office of Province Health Logistic Management Center**, Janakpurdham**, Dhanusha, Nepal. Bids must be valid for a period of **90 days** from the date of bid opening and must be accompanied by a bid security amount mention in above table which shall be valid for **30** days beyond the validity period of the bid. The Bidder wishes to submit the Bid Security in the form of cash, the cash should be deposited in **Deposit Account Name: Province treasury comptrollor Office, Province 2, Janakpurdham,**

Dhanusha. Deposit No : 1220100202030000 at Rastriya Banijya Bank, Bhanu chowk, janakpurdham Dhanusha.

7. If the last date of purchasing and /or submission falls on a government holiday, then the next working day shall be considered as the last date. In such case the validity period of the bid security shall remain the same as specified for the original last date of bid submission.

Director

PHLMC-2, Janakpurdham, Dhanusha

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Section I. Instructions to Bidders

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Section I. Instructions to Bidders

A. General

1. Scope of Bid	1.1 The Purchaser ***indicated in the BDS*** issues this Bidding Document for the supply of Goods and Related Services incidental thereto as specified in Section V, Schedule of Requirements. The name and identification of contracts are ***indicated in BDS***. 1.2 Throughout this Bidding Document : (a) the term "in writing" means communicated in written form with proof of receipt; (b) if the context so requires, singular means plural and vice versa; and (c) "day" means calendar day.
2. Source of Funds	2.1 GoN Funded: In accordance with its annual program and budget, approved by the GoN, the Purchaser intends to apply a portion of the allocated budget to eligible payments under the contract(s) ***indicated in the BDS*** for which this Bidding Document is issued. Or DP Funded: The GoN has applied for or received financing (hereinafter called "funds") from the Development Partner (hereinafter called "the DP") ***indicated in the BDS*** toward the cost of the project ***named in the BDS***. The GoN intends to apply a portion of the funds to eligible payments under the contract(s) for which this Bidding Document is issued. 2.2 DP Funded: Payment by the DP will be made only at the request of the GoN and upon approval by the DP in accordance with the terms and conditions of the financing agreement between the GoN and the DP (hereinafter called the "Loan Agreement"), and will be subject in all respects to the terms and conditions of that Loan Agreement. No party other than the GoN shall derive any rights from the Loan Agreement or have any claim to the funds. 2.3 Public Entity's Resources Funded.
3. Fraud and	3.1 Procuring Entities as well as Bidders, suppliers and contractors and their

Corruption	sub-contractors shall adhere to the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this:; (a) the Purchaser adopts, for the purposes of this provision, the terms as defined below: (i) "corrupt practice" means the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party; (ii) "fraudulent practice" means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation; (iii) "coercive practice" means impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party; (iv) "collusive practice" means an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party. (v) "obstructive practice" means (a) deliberately destroying, falsifying, altering, or concealing of evidence material to an investigation; (b) making false statements to investigators in order to materially impede an investigation; (c) failing to comply with requests to provide information, documents, or records in connection with an investigation; (d) threatening, harassing, or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or (e) materially impeding GoN/DP's contractual rights of audit or access to information; and (vi) "integrity violation" is any act which violates Anticorruption Policy, including (i) to (v) above and the following: abuse, conflict of interest, violations of GoN/DP sanctions, retaliation against whistleblowers or witnesses, and other violations of Anticorruption Policy, including failure to adhere to the highest ethical standard. (b) the Purchaser will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations in competing for the contract;
	(c) DP will cancel the portion of the financing allocated to a contract if it determines at any time that representative(s) of the GoN or of a beneficiary of DP-financing engaged in corrupt, fraudulent,

	collusive, or coercive practices or other integrity violations during the procurement or the execution of that contract, without the GoN having taken timely and appropriate action satisfactory to DP to remedy the situation. (d) DP will impose remedial actions on a firm or an individual, at any time, in accordance with DP's Anticorruption Policy and related Guidelines (as amended from time to time), including declaring ineligible, either indefinitely or for a stated period of time, to participate in DP-financed, -administered, or -supported activities or to benefit from an DP-financed, -administered, or -supported contract, financially or otherwise, if it at any time determines that the firm or individual has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations; and (e) The Supplier shall permit the GoN/DP to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the GoN/DP, if so required by the GoN/DP.
	3.2 The Bidder shall not carry out or cause to carry out the following acts with an intention to influence the implementation of the procurement process or the procurement agreement : (a) give or propose improper inducement directly or indirectly, (b) distortion or misrepresentation of facts, (c) engaging in corrupt or fraudulent practice or involving in such act, (d) interference in participation of other competing bidders, (e) coercion or threatening directly or indirectly to cause harm to the person or the property of any person to be involved in the procurement proceedings, (f) collusive practice among bidders before or after submission of bids for distribution of works among bidders or fixing artificial/uncompetitive bid price with an intention to deprive the Purchaser the benefit of open competitive bid price, (g) Contacting the Purchaser with an intention to influence the Purchaser with regards to the bids or interference of any kind in examination and evaluation of the bids during the period from the time of opening of the bids until the notification of award of contract.
	3.3 PPMO, on the recommendation of the Procuring Entity may blacklist a Bidder for a period of one (1) to three (3) years for its conduct including on the following grounds and seriousness of the act committed by the bidder: (a) if convicted by a court of law in a criminal offence which disqualifies the Bidder from participating in the contract, (b) if it is established that the contract agreement signed by the Bidder was

	based on false or misrepresentation of Bidder's qualification information, (c)if it at any time determines that the firm has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for, or in executing, a GoN/DP-financed contract. (d) if the Successful Bidder fails to sign the Contract.
	3.4 A bidder declared blacklisted and ineligible by the GoN, Public Procurement Monitoring Office (PPMO) and/or the DP in case of DP funded project, may be ineligible to bid for a contract during the period of time determined by the GoN, PPMO and/or the DP including credit information bureau of Nepal. 3.5 In case of a natural person or firm/institution/company which is already declared blacklisted and ineligible by the GoN, any other new or existing firm/institution/company owned partially or fully by such Natural person or Owner or Board of director of blacklisted firm/institution/company; shall not be eligible bidder.
	3.6 Furthermore, Bidders shall be aware of the provisions of GCC 28.3.
4. Eligible Bidders	4.1 This Invitation for Bids is open to eligible Bidders from all countries, except for any ***specified in the BDS***. 4.2 A Bidder may be a natural person, private entity, government-owned entity (subject to ITB 4.4) or any combination of them with a formal intent to enter into an agreement or under an existing agreement in the form of a Joint Venture (JV). Maximum number of parners in JV shall be as **specified in BDS** .In the case of a JV: (a) all parties to the JV shall be jointly and severally liable; and (b) a JV shall nominate a representative who shall have the authority to conduct all businesses for and on behalf of any and all the parties of the JV during the bidding process and, in the event the JV is awarded the Contract, during contract execution. 4.3 A Bidder shall not have a conflict of interest. Any Bidders found to have a conflict of interest shall be disqualified. A Bidder may be considered to be in a conflict of interest with one or more parties in this bidding process if, including but not limited to: (a) have controlling shareholders in common; (b) receive or have received any direct or indirect subsidy from any

	of them; (c) have the same legal representative for purposes of this Bid; (d) have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the Purchaser regarding this bidding process; (e) a Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which it is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder, in more than one bid; or (f) a Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the goods and services that are the subject of the bid. 4.4 A Bidder that is under a declaration of ineligibility by the GoN/DP in accordance with ITB 3.4, at the date of the deadline for bid submission or thereafter, shall be disqualified. 4.5 A GoN-owned enterprise may also participate in the bid if it is legally and financially autonomous, it operates under commercial law, and it is not dependent agency of the Purchaser. 4.6 Bidders shall provide such evidence of their continued eligibility satisfactory to the Purchaser, as the Purchaser shall reasonably request. 4.7 Firms shall be excluded in any of the cases, if (a) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations prohibits any import of goods or Contracting of works or services from that country or any payments to persons or entities in that country. (b) DP Funded: as a matter of law or official regulation, GoN prohibits commercial relations with that country, provided that the DP is satisfied that such exclusion does not preclude effective competition for the supply of goods or related services required; (c) DP Funded: a firm has been determined to be ineligible by the DP in

	relation to their guidelines or appropriate provisions on preventing and combating fraud and corruption in projects financed by them.
	4.8 A bidder and all parties constituting the Bidder shall have the nationality of an eligible country as defined by the concerned DP for DP funded projects. 4.9 The domestic Bidder who has obtained Permanent Account Number (PAN) and Value Added Tax (VAT) registration certificate(s) and Tax clearance certificate or proof of submission of tax return from the Inland Revenue Office shall only be eligible. The foreign bidder submitting the documents ***indicated in the BDS*** at the time of bid submission and a declaration to submit the document(s) ***indicated in the BDS*** at the time of contract agreement shall only be eligible
5. Eligible Goods and Related Services	5.1 All goods and related services to be supplied under the contract are eligible, unless their origin is from a country ***specified in the BDS***. 5.2 For purposes of this clause, "origin" means the place where the goods are mined, grown, or produced, or the place from which the related services are supplied 5.3 The origin of goods and services is distinct from the nationality of the Bidder.
6. Site Visit	6.1 For goods contracts requiring installation/ commissioning/ networking or similar services at site, the Bidder, at the Bidder's own responsibility and risk, is encouraged to visit and examine the Site and obtain all information that may be necessary for preparing the Bid and entering into a contract for the supply of goods and related services. 6.2 The Bidder should ensure that the Purchaser is informed of the visit in adequate time to allow it to make appropriate arrangements. 6.3 The costs of visiting the Site shall be at the Bidder's own expense.

B. Contents of Bidding Document

7. Sections of the Bidding Document	7.1 The Bidding Document consist of Parts 1, 2, and 3, which include all the Sections indicated below, and should be read and construed in conjunction with any Addenda issued in accordance with ITB 9. **PART 1 Bidding Procedures** • Section I. Instructions to Bidders (ITB) • Section II. Bid Data Sheet (**BDS**)

	• Section III. Evaluation and Qualification Criteria • Section IV. Bidding Forms **PART 2 Supply Requirements** • Section V. Schedule of Requirements **PART 3 Conditions of Contract and Contract Forms** • Section VI. General Conditions of Contract (GCC) • Section VII. Special Conditions of Contract (SCC) Section VIII. Contract Forms 7.2 The Purchaser will reject any Bid submission (in case of hard copy submission) if the Bidding Document was not purchased directly from the Purchaser, or through its assigned office as stated in the invitation for bids or has not deposited (in case of electronically submission) the cost of Bidding Document as stated in the invitation for bids. 7.3 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Document as well as in Amendments, if any. Failure to furnish all information or documentation required by the Bidding Document may result in the rejection of the Bid. 7.4 The Invitation for Bids issued by the Purchaser is not part of the Bidding Document
8. Clarification of Bidding Document/Pre-bid meeting	8.1 A prospective Bidder requiring any clarification of the Bidding Document shall contact the Purchaser in writing at the Purchaser's address ***indicated in the BDS***. The Purchaser will respond in writing to any request for clarification, provided that such request is received within the time limit ***specified in the BDS*** prior to the deadline for submission of Bids. The Purchaser shall forward copies of its response to all Bidders who have acquired the Bidding Document directly from it, including a description of the inquiry but without identifying its source. Should the Purchaser deem it necessary to amend the Bidding Document as a result of a clarification, it shall do so following the procedure under ITB 9 and 24.2. 8.2 The purchaser may organize a pre-bid meeting of Bidders before the deadline for submission of Bids at the place, date and time as ***specified in the BDS*** to provide information relating to Bidding Documents, Technical

	specifications and the like matters. Should the purchaser deem it necessary to amend the Bidding Document as a result of a clarification, it shall do so following the procedure under ITB 9 and ITB **24.2**.
9. Amendment of Bidding Document	9.1 At any time prior to the deadline for submission of the Bids, the Purchaser may amend the Bidding Document by issuing addenda. 9.2 Any addendum issued shall be part of the Bidding Document and shall be communicated in writing to all who have obtained the Bidding Document directly from the Purchaser. Such Addendum notice shall also be published in the National newspaper. 9.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their Bids, the Purchaser may, at its discretion, extend the deadline for the submission of the Bids, pursuant to ITB **24.2**.

C. Preparation of Bids

10. Cost of Bidding	10.1 The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Purchaser shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
11. Language of Bid	11.1 The Bid, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the Purchaser, shall be written in the language ***specified in the BDS***. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language ***specified in the BDS***, in which case, for purposes of interpretation of the Bid, such translation shall govern.
12. Documents Comprising the Bid	12.1 The Bid shall comprise the following: (a) Bid Submission Letter and the applicable Price Schedules, in accordance with ITB Clauses 13, 15, and 16; (b) Bid Security in accordance with ITB 21; (c) alternative bids, if permissible, in accordance with ITB 14; (d) written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB 22; (e) documentary evidence in accordance with ITB 17 establishing the Bidder's eligibility to bid;

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	(f) documentary evidence in accordance with ITB Clauses 18 and 31, that the Goods and Related Services conform to the Bidding Document; (g) documentary evidence in accordance with ITB 19 establishing the Bidder's qualifications to perform the contract if its Bid is accepted; and (h) any other required documents, which is not against the provision of Procurement Act/Regulation/Directives and Standard Bidding Document issued by PPMO ,***required in the BDS.*** 12.2 The Bidder is solely responsible for the authenticity of the submitted documents.
13. Bid Submission Letter and Price Schedules	13.1 The Bidder shall submit the Bid Submission Letter using the form furnished in Section IV, Bidding Forms. This form must be completed without any alterations to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested. 13.2 The Bidder shall submit the Price Schedules for Goods and Related Services, according to their origin as appropriate, using the forms furnished in Section IV, Bidding Forms
14. Alternative Bids	14.1 Unless otherwise ***indicated in the BDS***, alternative bids shall not be considered.
15. Bid Prices and Discounts	15.1 The Bidder shall complete the appropriate Price Schedule and the sources of Goods schedules included herein, stating the unit prices, total cost per item, the total Bid amount and the expected countries of origin of the Goods to be supplied under the contract. 15.2 Prices quoted in the Price Schedules shall be included the cost of goods, other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the item, the customs duties, transportation cost up to final delivery, insurance cost, unloading, and any other cost for (incidental) services, if any, related to the delivery of goods. All risks and responsibilities up to the final destination including installation and commissioning of Goods, if applicable, shall be borne by the Supplier. If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. Items not listed in the Price Schedule shall be assumed not to be included in the Bid, and provided that the Bid is substantially responsive, the corresponding adjustment shall be applied

	in accordance with ITB **32.3** 15.3 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account, unless otherwise ***specified in the BDS***. A Bid submitted with an adjustable price quotation shall be treated as non responsive and shall be rejected, pursuant to ITB 31. However, if in ***accordance with the BDS***, prices quoted by the Bidder shall be subject to adjustment during the performance of the Contract, a Bid submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero. 15.4 The Bidder's separation of price components in accordance with ITB 15.1 above will be solely for the purpose facilitating the comparison of bids by the Purchaser and will not in any way limit the Purchaser's right to contract on any of the terms offered. 15.5 If the Bidder intends to offer any unconditional discount, it shall always be expressed in fixed percentage and that shall not vary as the quantity varies and be applicable to each unit rate. The methodology for its application shall be provided in bid submission letter.
16. Currencies of Bid	16.1 All Prices shall be quoted in Nepalese Rupees.
17. Documents Establishing the Eligibility of the Bidder	17.1 To establish their eligibility in accordance with ITB 4, Bidders shall: (a) complete the eligibility declarations in the Bid Submission Letter, included in Section IV, Bidding Forms; and (b) if the Bidder is an existing or intended JV in accordance with ITB 4.2, submit a copy of the JV Agreement, or a letter of intent to enter into such an Agreement. The respective document shall be signed by all legally authorized signatories of all the parties to the existing or intended JV, as appropriate. (c) submit the copy of the documents as ***specified in BDS***.
18. Documents Establishing the Conformity of the Goods and Related	18.1 To establish the conformity of the Goods and Related Services to the Bidding Document, the Bidder shall furnish as part of its Bid the documentary evidence that the Goods and Related Services conform to the requirements specified in Section V, Supply Requirements. 18.2 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item-by-item description of the

Services to the Bidding Document	essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to those requirements, and if applicable, a statement of deviations and exceptions to the provisions of Section V, Schedule of Requirements. 18.3 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Purchaser in the Section V, Schedule of Requirements, are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to the Purchaser's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in Section V, Schedule of Requirements.
19. Documents Establishing the Qualifications of the Bidder	19.1 The documentary evidence of the Bidder's qualifications to perform the contract, if its bid is accepted, shall establish to the Purchaser's satisfaction that the Bidder meets each of the qualification criterion specified in Section III, Evaluation and Qualification Criteria. 19.2 If so ***required in the BDS***, a Bidder that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization using the form included in Section IV, Bidding Forms to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in Nepal and take care of the warranty provided. 19.3 If so ***required in the BDS***, a Bidder that does not conduct business within Nepal shall submit evidence that it will be represented by an Agent in Nepal equipped and able to carry out the Supplier's maintenance, repair and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications. 19.4 A foreign Bidder wishing to have or already having a local agent shall state the following: a. Name and address of the Agent/Representative, b. The Agent/Representative providing type of services, c. Amount of commission if the Agent/Representative is entitled to get such payment and if it participates in the procedure of payment, d. Other agreement with Agent/Representative, if any, e. Bidder shall certify in the Letter of Authorization as follows:

	"We certify that the statement and disclosure made by us on the above are complete and true to the best of our knowledge and belief", 19.5 If a foreign Bidder in its Bid, has not provided the information mentioned in ITB 19.4 or has submitted its bid stating that the Bidder does not have a local agent and later it is proved that the bidder has a local agent or it is proved that the commission mentioned in the Bid is less than the commission received by the local agent then the Purchaser shall initiate proceedings to blacklist such bidder in accordance with ITB 3.3.
20. Period of Validity of Bids	20.1 Bid shall remain valid for a period ***specified in the BDS*** after the bid submission deadline date prescribed by the purchaser. A bid valid for a shorter period shall be rejected by the purchaser as nonresponsive. 20.2 In exceptional circumstances, prior to the expiration of the bid validity period, the Purchaser may request Bidders to extend the period of validity of their Bids. The request and the responses shall be made in writing. If a Bid Security is requested in accordance with ITB 21, it shall also be extended for a corresponding period. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request shall not be required or permitted to modify its Bid and to include any additional conditions against the provisions specified in Bid Documents.
21. Bid Security	21.1 The Bidder shall furnish as part of its bid, in original form a Bid Security as ***specified in the BDS***. 21.2 If a bid security is specified pursuant to ITB 21.1, the bid security shall be a demand guarantee in any of the following forms at the Bidder's option: (a) original copy of an unconditional bank guarantee from Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law or; (b) original copy of cash deposit voucher in the **Purchaser** 's Account as ***specified in BDS***. In case of a bank guarantee, the Bid Security shall be submitted using the Bid Security Form included in Section IV, Bidding Forms. The form must include the complete name of the Bidder. The Bid Security shall be valid for minimum thirty (30) days beyond the end of the validity period of the bid. This shall also apply if the period for bid

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validity is extended.

The bid security issued by any foreign Bank outside Nepal must be counter guaranteed by an Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law in Nepal.

21.3 If a bid Security is required in accordance with ITB 21.1, any Bid not accompanied by an enforceable and compliant Bid Security in accordance with ITB 21.2, shall be rejected by the Purchaser as nonresponsive. In case of e- Submission, if the scanned copy of an acceptable bid security letter is not uploaded with the electronic bid then bid shall be rejected.

21.4 If a Bid Security is specified pursuant to ITB 21.1, the Bid Security of unsuccessful Bidders shall be returned within three (3) days upon the successful Bidder furnishing of the signed Contract Agreement and the Performance Security pursuant to ITB 42.

21.5 If a Bid Security is specified pursuant to ITB 21.1, the Bid Security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the Contract Agreement and furnished the required Performance Security.

21.6 The Bid Security may be forfeited:

(a) a Bidder requests for withdrawal or modification of its bid, except as provided in ITB 20.2

(i) during the period of bid validity specified by the Bidder on the Letter of Bid, in case of electronic submission;

(ii) from the period twenty-four hours prior to bid submission deadline up to the period of bid validity specified by the Bidder on the Letter of Bid, in case of hard copy submission.

(b) a Bidder changes the prices or substance of the bid while providing information pursuant to clause 29.1;

(c) a Bidder involves in fraud and corruption pursuant to clause 3.1;

(d) the successful Bidder fails to:

(i) furnish a performance security in accordance with ITB 41.1;

(ii) sign the Contract in accordance with ITB 42.1; or

	(iii) accept the correction of arithmetical errors pursuant to clause 33. 21.7 The Bid Security of a JV must be in the name of the JV that submits the bid. If the JV has not been legally constituted at the time of bidding, the Bid Security shall be in the names of all future partners as named in the letter of intent mentioned in ITB 17.1 (b).
22. Format and Signing of Bid	22.1 The Bidder shall prepare bid as described in ITB 12 and shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as ***specified in the BDS*** and shall be attached to the Bid. 22.2 Any amendments such as interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Bid.

D. Submission and Opening of Bids

23. Sealing and Marking of Bids	23.1 Unless otherwise specified in BDS, Bidders shall submit their bids by electronic or by mail/ by hand/ by courier. Bidders submitting bids electronically shall follow the electronic bid submission procedures ***specified in the BDS***. 23.2 Bidders submitting bids by mail or by hand or by courier shall enclose the original and each copy of the Bid, including alternative bids, if permitted in accordance with ITB 14, in separate sealed envelopes, duly marking the envelopes as "ORIGINAL", "ALTERNATIVE" and "COPY." These envelopes containing the original and the copies shall then be enclosed in one single envelope. The rest of the procedure shall be in accordance with ITB 23.2.1 and 23.2.2. 23.2.1 The inner and outer envelopes shall: (a) bear the name and address of the Bidder; (b) be addressed to the Purchaser in accordance with ITB 23.1; and (c) bear a warning "NOT TO OPEN BEFORE THE TIME AND DATE FOR BID OPENING". 23.2.2 If all envelopes are not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the bid.

24. Deadline for Submission of Bids	24.1 Bids must be received by the Purchaser at the address and no later than the date and time ***indicated in the BDS***. In case of e-submission, the standard time for e-submission is Nepal Standard Time as set out in the server. The e-procurement system will accept the e-submission of bid from the date of publishing of notice and will automatically not allow the e-submission of bid after the deadline for submission of bid. 24.2 The Purchaser may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding Document in accordance with ITB 9, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.
25. Late Bids	25.1 The Purchaser shall not consider any Bid that arrives after the deadline for submission of Bids, in accordance with ITB 24. Any Bid received by the Purchaser after the deadline for submission of Bids shall be declared late, rejected, and returned unopened to the Bidder.
26. Withdrawal, or Modification of Bids	26.1 A bidder may withdraw, or modify its bid after it has been submitted either in hard copy or by e-Submission. Procedures for withdrawal or modification of submitted bids are as follows: (i) Bids submitted in hard Copy a) Bidders may withdraw or modify its bids by sending a written notice in a sealed envelope, duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITB 20.2 before 24 hours prior to the last deadline of submission of bid. The corresponding modification of the bid must accompany the respective written notice. All notices must be: (aa) prepared and submitted in accordance with ITB 20 and ITB 21,and in addition, the respective envelopes shall be clearly marked "WITHDRAWAL", "MODIFICATION;" and (bb) received by the Purchaser 24 hours prior to the deadline prescribed for submission of bids, in accordance with ITB 24. ii) E-submitted bids. 26.1 a) Bidder may submit modification or withdrawal prior to the deadline prescribed for submission of bids through e-GP system by using the forms and instructions provided by the system. Once a Bid is withdrawn, bidder shall not able to submit another bid for the same bid. 26.2 Bids requested to be withdrawn in accordance with ITB 26.1 (i) shall be returned unopened to the Bidders after the end of bid opening process.

	26.3 In case of bids submitted in hard copy no bid shall be withdrawn or modified in the interval between 24 hours prior time of the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Letter of Bid or any extension thereof. In case of e-submitted bids no bids shall be withdrawn or modified in the interval between deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the bid submission form or any extension there of. 26.4 Except in case of any modification or correction in bid document made by procuring entity, Bidder may submit request for withdrawal or modification only one time. 26.5 In case of hard copy bid, no bid may be withdrawn if the bid has already been modified; except in case of any modification or correction in bid document by procuring entity.
27.Bid Opening	27.1 The Purchaser's bid opening committee shall conduct the bid opening in public in the presence of bidder or its representative who choose to attend at the address, date and time ***specified in the BDS***. The opening committee shall download the e-submitted bid files. The e-procurement system allows the Purchaser to download the e-submitted bid files (report) only after bid opening date and time after login simultaneously by two members of the Bid opening committee. Electronically submitted bid shall be opened at first in the same time and date as ***specified above***. Electronic Bids shall be opened one by one and read out. The e-submitted bids must be readable through open standards interfaces. Unreadable and or partially submitted bid files shall be considered incomplete. 27.2 Before opening the bids the **opening committee** shall separate the envelopes of the bids received after the deadline of bid submission, the envelopes containing an application given for WITHDRAWAL, MODIFICATION of bids and the envelopes of bids duly registered. The bids received after the deadline of submission shall be returned to the concerned bidder unopened. Then envelopes marked "WITHDRAWAL" shall be opened first, read out, and recorded, and the envelope containing the corresponding Bid shall not be opened, but returned to the Bidder. If the withdrawal notice is not accompanied by a copy of the valid authorization pursuant to ITB 22.2, the withdrawal shall not be permitted and the corresponding Bid will be opened. Envelopes marked "MODIFICATION" shall be opened, read out, and recorded with the corresponding Bid. No Bid shall be modified unless

	the corresponding Modification Notice contains a valid authorization to request the modification and is read out and recorded at bid opening. Only envelopes that are opened, read out, and recorded at bid opening shall be considered further. 27.3 All other envelopes shall be opened one at a time, and the following read out and recorded: the name of the Bidder and whether there is a modification; the Bid Prices (per lot if applicable), any discounts and alternative offers; the presence of a Bid Security, if required; if there is discrepancy between figure and words, description of such discrepancy; whether the bid form is signed by the bidder or his agent; and any other details as the Purchaser may consider appropriate. Only discounts and alternative offers read out and recorded at bid opening shall be considered for evaluation. No Bid shall be rejected at bid opening except for late bids, in accordance with ITB 25.1. 27.4 The **opening committee** shall prepare a record of the bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, or modification; the Bid Price, per lot if applicable, any discounts and alternative offers if they were permitted; and the presence or absence of a Bid Security. The Bidders' representatives who are present shall be requested to sign the record. The omission of a Bidder's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to all Bidders who submitted bids in time, and posted on line when electronic bidding is permitted. The Bidders' representatives who are present shall also be requested to sign an attendance sheet.

E. Evaluation and Comparison of Bids

28.Confidentiality	28.1 Information relating to the examination, evaluation, comparison, and post-qualification of Bids, and recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with such process until publication of the Contract award; thereafter, information will be disclosed in accordance with ITB 40.1. 28.2 Any attempt by a Bidder to influence the Purchaser in the examination, evaluation, comparison, and post-qualification of the Bids or Contract award decisions may result in the rejection of its Bid. 28.3 Notwithstanding ITB 28.2, from the time of bid opening to the time of Contract award, if any Bidder wishes to contact the Purchaser on any matter related to the bidding process, it should do so in writing.

29.Clarification of Bids	29.1 To assist in the examination, evaluation, comparison and post-qualification of the Bids, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder with regard to its Bid and that is not in response to a request by the Purchaser shall not be considered. The Purchaser's request for clarification and the response shall be in writing. No change in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Purchaser in the evaluation of the Bids, in accordance with ITB 33.
30.Deviations, Reservations, and Omissions	30.1 During the evaluation of bids, the following definitions apply: (a) "Deviation" is a departure from the requirements specified in the Bidding Document; (b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Document; and (c) "Omission" is the failure to submit part or all of the information or documentation required in the Bidding Document.
31.Determination of Responsiveness	31.1 The Purchaser's determination of the responsiveness of a Bid is to be based on the contents of the Bid itself, as defined in ITB 12. 31.2 A substantially responsive bid is one that meets the requirements of the Bidding Document without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that, (d) if accepted, would: (i) affect in any substantial way the scope, quality, or performance of the Goods and Related Services specified in Section V, Schedule of Requirements; or (ii) limits in any substantial way, inconsistent with the Bidding Document, the Purchaser's rights or the Bidder's obligations under the proposed Contract; or (e) if rectified, would unfairly affect the competitive position of other Bidders presenting substantially responsive bids. 31.3 The Purchaser shall examine the technical aspects of the bid in

	particular, to confirm that all requirements of Section V, Schedule of Requirements have been met without any material deviation or reservation. 31.4 In Case, a corruption case is being filed to Court against the Natural Person or Board of Director of the firm/institution /company or any partner of JV, such Natural Person or Board of Director of the firm/institution /company or any partner of JV such bidder's bid shall be excluded from the evaluation, if public entity receives instruction from Government of Nepal.
32.Non-material Non-conformities	32.1 The Purchaser may regard a Bid as responsive even if it contains minor deviations that do not materially alter or depart from the characteristics, terms, conditions and other requirement set forth in the Bidding Document or if it contains errors or oversights that are capable of being corrected without affecting the substance of the Bid. 32.2 Provided that a Bid is substantially responsive, the Purchaser may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify non-material non-conformities or omissions in the Bid related to documentation requirements. Requesting information or documentation on such non-conformities shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid. 32.3 Provided that a Bid is substantially responsive, the Purchaser shall rectify non-material non-conformities or omissions. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of the missing or non-conforming item or component. The adjustment shall be made using the method indicated in Section III, Evaluation and Qualification Criteria. 32.4 If small differences are found such as in technical specification, description, feature which does not make the bid to be rejected, then the cost, which is calculated to the extent possible due to such differences, shall be included while evaluating bid. 32.5 If the value is found fifteen percent more than the quoted amount of the bidder on account of small differences pursuant to ITB 32.4, such bid shall be considered irresponsive in substance and shall not be considered for evaluation.
33.Correction of Arithmetical	33.1 Provided that the Bid is substantially responsive, the Purchaser shall correct arithmetical errors on the following basis:

Errors	a) if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected; b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above. 33.2 If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be rejected and the bid security shall be forfiteed.
34. Goods manufactured in Nepal to be procured	34.1 If the price of goods manufactured in Nepal, are higher up to fifteen percent than that of manufactured in foreign countries, the goods manufactured in Nepal shall be prefered in the evaluation of the Bids. 34.2 for granting such preference pursuant to 34.1, the bidder must submit the country of origin issued by competent authority stating that the value added of the goods in Nepal is more that 30 percent. 34.3 In case of granting preference, the bid shall be compared (for bid comparison only) by adding an amount equal to 15 percent of the bid price of the such Goods manufactured in Nepal to the bid price of Goods manufacture outside Nepal and lowest evaluated bid shall be determined.
35.Evaluation and Comparison of Bids	35.1 The Purchaser shall evaluate and compare each Bid that has been determined, up to this stage of the evaluation, to be substantially responsive. 35.2 To evaluate a Bid, the Purchaser shall only use all the criteria and methodologies defined in this Clause and in Section III, Evaluation and Qualification Criteria. No other criteria or methodology shall be permitted. 35.3 In Case, a corruption case is being filed to Court against the Natural Person or Board of Director of the firm/institution /company or any partner of JV, such Natural Person or Board of Director of the firm/institution /company

	or any partner of JV such bidder's bid shall be excluded from the evaluation, if public entity receives instruction from Government of Nepal.
36.Post-qualification of the Bidder	36.1 The Purchaser shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive Bid is qualified to perform the Contract satisfactorily. 36.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB 19. 36.3 An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the Bid, in which event the Purchaser shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.
37.Purchaser's Right to Accept Any Bid, and to Reject Any or All Bids	37.1 The Purchaser reserves the right to accept or reject any Bid, and to cancel the bidding process and reject all Bids at any time prior to Contract award, without thereby incurring any liability to the Bidders.

F. Award of Contract

38.Award Criteria	38.1 The Purchaser shall select to award the Contract to the Bidder whose offer has been determined to be the lowest evaluated Bid and is substantially responsive to the Bidding Document, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.
39.Purchaser's Right to Vary Quantities at Time of Award	39.1 At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods and Related Services originally specified in Section V, Schedule of Requirements, provided this does not exceed the percentages ***indicated in the BDS***, and without any change in the unit prices or other terms and conditions of the Bid and the Bidding Document.
40.Notification of Intention to Award	40.1 The Purchaser shall notify the concerned Bidder whose bid has been selected in accordance with ITB 38.1 within seven days of the selection of the bid, in writing that the Purchaser has intention to accept his/her bid and shall Inform via the Letter of Intention included in the Contract Forms and the information of name, address and amount of selected bidder shall be given to all other bidders who

	submitted the bid. 40.2 If no bidder submits an application pursuant to ITB 43.1 within a period of seven days of providing the notice under ITB 40.1 the Purchaser shall accept the bid selected in accordance with ITB 38.1 prior to the expiry of bid validity period, and notification of award shall be communicated to the bidder to furnish the performance security and sign the contract within fifteen days. 40.3 In Case, a corruption case is being filed to Court against the Natural Person or Board of Director of the firm/institution /company or any partner of JV, such Natural Person or Board of Director of the firm/institution /company or any partner of JV such bidder's bid shall be excluded from the evaluation, if public entity receives instruction from Government of Nepal.
41.**Performance Security**	41.1 Within fifteen (15) days of the receipt of notification of award from the Purchaser, the successful Bidder shall furnish the Performance Security in accordance with the GCC, using for that purpose the Performance Security Form included in Section VIII, Contract Forms, or another form acceptable to the Purchaser. i) If bid price of the bidder selected for acceptance is up to 15 (fifteen) percent less than the approved cost estimate, the performance security amount shall be 5 (five) percent of the bid price. ii) For the bid price of the bidder selected for acceptance is more than 15 (fifteen) percent below of the cost estimate, the performance security amount shall be determined as follows: **Performance Security Amount = [(0.85 x Cost Estimate –Bid Price) x 0.5] + 5% of Bid Price.** The Bid Price and Cost Estimate shall be exclusive of Value Added Tax.
	41.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract Agreement shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security and black listing. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder whose offer is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.
42. Signing of Contract	42.1 The successful Bidder shall sign the contract in the form included in section VIII after the submission of performance security in accordance with ITB 41.

	42.2 At the same time, the Purchaser shall also notify all other Bidders of the results of the bidding, and shall publish in an English/Nepali language newspaper or well-known and freely accessible website the results identifying the bid and lot numbers and the following information: (i) name of each Bidder who submitted a Bid; (ii) bid prices as read out at Bid Opening; (iii) name and evaluated prices of each Bid; (iv) name of bidders whose bids were rejected and the reasons for their rejection; and (v) name of the winning Bidder, and the Price it offered, as well as the duration and summary scope of the Contract awarded.
43.Complaint and Review	43.1 If a Bidder dissatisfies with the Procurement proceedings or the decision made by the Purchaser in the intention to award the Contract, it may file an application to the Chief of the concerning Public Entity of the Purchaser within seven (7) days of having, receipt of such notice or decision making, for review of the proceedings stating the factual and legal grounds. 43.2 An application filed after the deadline pursuant ITB 43.1 shall not be processed. 43.3 The chief of Public Entity of the Purchaser shall, within five (5) days after receiving the application, give its decision with reasons, in writing pursuant to ITB 43.1: (a) whether to suspend the procurement proceeding and the procedure for further proceedings to be adopted; or (b) whether or not to reject a application. No application can be submitted before the Review Committee for review against the decision made by the chief of the Public Entity for the Bid amount up to the value ***as stated in BDS***. 43.4 If the Bidder is not satisfied with the decision of the Public Entity in accordance with ITB 43.3, or the decision by the Public Entity is not given within five (5) days of receipt of application pursuant to ITB 43.1, it can, within seven (7) days of receipt of such decision, file an application to the Review Committee of the GoN, stating the reason of its disagreement on the decision of the chief of Public Entity and furnishing the relevant documents, provided that its Bid amount is above the amount as stated in ITB 43.3. The application may be sent by hand, or by post, or by courier, or by electronic media at the risk of the Bidder itself.

	43.5 Late application filed after the deadline pursuant to ITB 43.4 shall not be processed. 43.6 Within three (3) days of the receipt of application from the Bidder, pursuant to ITB 43.4, the Review Committee shall notify the concerning Public Entity of the Purchaser to furnish its procurement proceedings and comments on the issue, pursuant to ITB 43.3. 43.7 Within three (3) days of receipt of the notification pursuant to ITB 43.6, the Public Entity shall furnish the copy of the related documents along with its comment or reaction of complaint to the Review Committee. 43.8 The Review Committee, after inquiring from the Bidder and the Public Entity, if needed, shall give its decision within one (1) month after receiving the application filed by the Bidder, pursuant to ITB 43.4. 43.9 The Bidder, filing application pursuant to ITB 43.4, shall have to furnish a cash amount or Bank guarantee ***as stated in BDS*** with the validity period of at least ninety (90) days from the date of the filing of application pursuant to ITB 43.4. Application filed without furnishing the security deposit shall not be processed. 43.10 If the claim made by the Bidder pursuant to ITB 43.4 is justified, the Review Committee shall have to return the security deposit to the applicant, pursuant to ITB 43.9, within seven (7) days of such decision made. 43.11 If the claim made by the Bidder pursuant to ITB 43.4 is rejected by the Review Committee, the security deposit submitted by the Bidder pursuant to ITB 43.9 shall be forfeited.
44. Publication of contract award notice	44.1 Within three days of contract signing, the Public Entity shall publish a notice on the contract award with following information:in its notice board as well as shall manage to publish the notice on the notice board of ***District Coordination Committee, District Administration Office, Provincial Treasury and Controller Office and District Treasury and Controller Office.***, Such notice shall also be posted in its website and PPMO's website. a. name of the procurement, b. IFB number, c. date and name of newspaper published the IFB notice, d. name of the successful Bidder, and the contract price.

	44.2 The Purchaser shall promptly respond in writing to any unsuccessful Bidder who, within thirty days from the date of publication of contract award notice in accordance with ITB 44.1, requests in writing the grounds on which its bid was not selected.
45.Provision of PPA and PPR	45.1 If any provision of this document are inconsistent with Public Procurement Act (PPA), 2063 or Public Procurement Regulations (PPR), 2064, the provision of this documents shall be void to the extent of such inconsistency and the provision of PPA and PPR shall prevail.

Section II. Bid Data Sheet

A. Introduction	
ITB 1.1	Name of the Purchaser***:*** **Province Health Logistic Management Centre, Province 2, Janakpurdham, Dhanusha.**
ITB 1.1	Name and Identification number of the Contracts: **P2/PHLMC/GOODS/Covid-19/CR24/2077/078, PROCUREMENT OF EQUIPMENT & ACCESSORIES FOR MANIPAL COVID HOSPITAL, JANAKPURDHAM**
ITB 2.1	Source of Fund: **MOSD, Province No. 2**
ITB 4.1	Bidders from the following countries are not eligible: **Not applicable**
ITB 4.9	The foreign Bidder at the time of bid submission: **Not applicable** ▪ Resident foreign bidder shall submit PAN/VAT certificate and tax clearance or extension certificate at the time of bid submission. ▪ Declaration of a local agent and commissions to be paid to the local agent at the time of contract sign
ITB 5.1	Goods and related services to be supplied from following countries are not eligible: ***"Not Applicable"***
B. Bidding Document	
ITB 8.1	For **clarification purposes** only, the Purchaser's address is: Attention: **The Director** Name of the Purchaser: **Province Health Logistic Management Center(PHLMC), Province 2, Janakpurdham, Dhanusha.** City/Town:- Janakpur District: - Dhanusha Country: - Nepal Mobile no. :- 9851196957 Facsimile Number:- Electronic Mail Address:- phlmc.province2@gmail.com
ITB 8.2	Pre-Bid meeting ***"shall not"*** be organized.
C. Preparation of Bids	
ITB 11.1	The language of the Bid is: English

ITB 12.1 (h)	The Bidder shall submit the following additional documents with its Bid: **For Nepali Bidders:** 1. Up to date Firm/Company Registration Certificate **x Clearance Certificate/Tax return submission evidence/evidence of time extension for the F/Y 2076/077 (Only for domestic bidders) 2076/077** **3. VAT/PAN registration certificate**
ITB 14.1	Alternative Bids ***are not*** permitted
ITB 15.3	**The prices quoted by the Bidder shall : *not be Adjustable***
ITB 17.1 (c)	The Bidders shall submit: **(i) Copy of Firm/ Company Registration Certificate** **(ii) Copy of Business Registration Certificate (if required)** **(iii) Copy of VAT and PAN Registration Certificate,** **(iv) Tax Clearance Certificate of fiscal year 2076-77 Evidential document to Substantiate the eligibility, qualification and complete of Technical Specifications (original Product Datasheet/ Technical Catalogues and relevant document to support the technical specification.**
ITB 19.2	A Manufacturer's Authorization letter is required as per required in technical specification
ITB 19.3	The Bidder ***is*** required to include with its bid, evidence that it will be represented by an Agent in Nepal.
ITB 20.1	The bid validity period shall be ***insert 90*** days.
ITB 21.1	The bid must be accompanied by bid security, amounting to a ***minimum mentioned in above*** which shall be ***valid for minimum 30 days*** beyond the bid validity period
ITB 21.2	If the Bidder wishes to submit the Bid Security in the form of cash, the cash should be deposited in Deposit Account No.: **1220100202030000** at Rastriya Banijya Bank, Janakpur, Dhanusha and submit the receipt of the deposited amount of cash along with the bid.
ITB 22.1	The written confirmation of Authorization to sign on behalf of the Bidder shall consist of: Power of Attorney to sign the bid

D. Submission and Opening of Bids	
ITB 23.1	Bidders shall have the option of submitting their bids **"By Hard Copy Only"**
ITB 24.1	For bid submission purposes only, the Purchaser's address is: **Province Health Logistic Management Center, Province 2, Janakpurdham, Dhanusha.**
ITB 24.1	The deadline for bid submission is: Date:- **9th ASHADH 2078 (23rd JUNE 2021)** **Time: 12:00 Hours**
ITB 24.1	If the last date of purchasing, submission and opening of Bid falls on a government holiday then the next working day shall be considered as the last day without any change in the time and place as fixed.
ITB 27.1	The bid opening shall take place at: Date: **9th ASHADH 2078 (23rd JUNE 2021)** Time:- 02:00 PM (14:00 Hours) Place:- **Province Health Logistic Management Center, Province 2, Janakpurdham, Dhanusha**
ITB 27.1	If electronic bid submission is permitted in accordance with ITB 23.1, the specific bid opening procedures shall be:NA
E. Evaluation and Comparison of Bids	
F. Award of Contract	
ITB 39.1	The maximum percentage by which quantities may be increased is: As Per Office Decision. The maximum percentage by which quantities may be decreased is: As Per Office Decision.
ITB 40.1 and 40.2	The Clauses have been suspended and changed as follows: **The Purchaser shall notify the Concerned Bidder whose bid has been selected in accordance with ITB 38.1 immediately as the selection of the bid, in writing that the Purchaser has accepted his/her bid and shall inform the Notification of Award via the Letter of Acceptance included in the Contract Forms and the information of name, address and amount of selected bidder shall be given to all other bidders who submitted the bid.** **The notificaitons to the bidder shall be to furnish the performance security and sign the contract within 2 days**

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ITB 41.1	The caluse has been suspended and changed as follows: **Within 5 days of the receipt of notification of award from the Purchaser, the successful Bidder shall furnish the Performance Security of the bid price accepted for award, using for that purpose the Performance Security Form included in Section VII, Contract Forms, or another form acceptance to the Purchaser.**
ITB 43.3	No application can be submitted before the Review Committee for review against the decision made by the chief of the Public Entity for the bid amount less than the value of Twenty Million (NRs. 20,000,000)
ITB 43.9	The bidder, filling application pursuant to ITB 43.4,shall have to furnih a cash amount ot Bank guarantee equal to 1 % of its bid price

Section II. Evaluation and Qualification Criteria

Evaluation Criteria

Criteria for Bid evaluation are to be determined case by case basis. Select as appropriate from criteria listed in ITB 35.2. Retain only the evaluation method to apply and the relevant parameters in ITB 35.2 corresponding to the retained criteria.

a) Delivery schedule : Relevant parameters of delivery : As specified in delivery and completion schedule

b) Deviation in payment schedule: is not permitted.

c) Spare parts and after sales service facilities NA

Qualification Criteria

[The Procuring Entity may specify [if required] any or all Qualification Requirements taking into consideration of the nature, value and complexity of the Goods to be procured. Some of the examples are as follows:

Section IV. Bidding Forms

Table of Forms

1. Bid Submission Form

(The Bidder shall accomplish the Bid Submission Form in its Letter Head Clearly showing the Bidders Complete name and address)

Date: _____
Contract No.: _____
Invitation for Bid No.: _____

To: _____

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 Requirements, 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 ….. [***Insert 90 or 120***] 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 as specified in ITB 41 for the due performance of the Contract;

(g) We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Document;

(h) The following commissions, gratuities, or fees, if any, have been paid or are to be paid with respect to the bidding process or execution of the Contract:

Name of Recipient	Address	Reason	Amount

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

(i) 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.

(j) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

(k) We declare that, we have not been black listed as per ITB 3.4 and no conflict of interest in the proposed procurement proceedings and we have not been punished for an offense relating to the concerned profession or business.

(l) We agree to permit GoN/DP or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors appointed by the GoN/DP.

Name _____

In the capacity of _____

Signed _____

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

Date _____

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2. Bidder's Information Form

[The Bidder shall fill in this Form. No alterations to its format shall be permitted and no substitutions shall be accepted. In case of joint venture, each partner shall fill the information in separate form.]

Date: .....*[insert date (as day, month and year) of Bid Submission*]

Page _____ of_ _____ pages

1.	Bidder's Legal Name	
2	Bidder's Address:	
3	Bidder's Country of Registration:	
4.	Bidder's Year of Registration:	
5.	Bidder's Legal Address in Country of Registration	
6.	Bidder's Authorized Representative Information: …..Name: Address: Telephone/Fax numbers: Email Address	
7	Bidder's Telephone/Fax numbers:	
8	Bidder's Email Address:	

3. Joint Venture Information Form

Lead Partner	Name of the Lead Partner in Joint Venture: Place of Firm Registration: Place of Business Registration: Percentage of Partnership:	
Partner	Name of the Partner in Joint Venture: Place of Firm Registration: Place of Business Registration: Percentage of Partnership:	
Partner	Name of the Partner in Joint Venture: Place of Firm Registration: Place of Business Registration: Percentage of Partnership:	
	Name of the partner authorized to sign the Bid:	

4. Financial Situation Form

Financial Data for Previous 3 Years (in NRs)		
Year 1:	**Year 2:**	**Year 3:**

Information from Balance Sheet

Total Assets			
Total Liabilities			
Net Worth			
Current Assets			
Current Liabilities			

Information from Income Statement

Total Revenues			
Profits Before Taxes			
Profits After Taxes			

❑ Attached are copies of financial statements (balance sheets including all related notes, and income statements) for the last three or above years, as indicated above, complying with the following conditions?

- Historic financial statements must be audited by a certified accountant.
- Historic financial statements must be complete, including all notes to the financial statements.
- Historic financial statements must correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted).

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5. Average Annual Turnover Form

The information supplied should be the Annual Turnover of the Bidder in terms of the amounts billed to clients for each year for work in progress or completed to NRs at the end of the period reported.

Annual Turnover Data for the Last …… Years	
Year	**Amount (in NRs)**
Average Annual Turnover	

6. Financial Resources Form

Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, available to meet the total cash flow requirements of the subject contract

Financial Resources		
No.	**Source of financing**	**Amount (in NRS)**
1		
2		
3		

Note : If Bidder's proposed source of financing is Line of Credits, the letter from the Bank must be in the prescribed format and stated details/terms and conditions as per the Bid Forms "Letter of Commitment for Bank's Undertaking for Line of Credit"

Special Notes

1) **While setting the Qualification Criteria of Supplier, Public entity may specify the requirement of current assets of supplier as per the nature of machines and accessories.**
2) **Public entity shall consider either cash or overdraft or line of credit facilities as option as per the nature of Machines to be supplied, if needed.**
3) **In case, if line of credit is required for qualification purpose to demonstrate the current assets of supplier, supplier shall furnish the line of credit in attached format.**

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7. Pending Litigation Form

Each Bidder or member of a JV must fill in this form

Year	Matter in Dispute	Value of Pending Claim in NRs	Value of Pending Claim as a Percentage of Net Worth

8. Specific Experience Form

Bidder's Legal Name: _____ Date: _____

IFB No.:

Page _____ of _____ pages

Similar Contract	**Information**		
Contract Identification	_____		
Award date Completion date	_____ _____		
Total Contract amount	_____		Currency____
Description of the contract performed by the Bidder			
If partner in a JV or subcontractor, specify participation of total Contract amount	_____%	_____	Currency____
Purchaser's Name:	_____		
Purchaser's Address:			
Purchaser's Telephone/fax number: Purchaser's E-mail:	_____ _____ _____ _____		

The Bidder shall complete this form for each contract completed/in progress.

Price Schedule For Goods

Name of Bidder _____ Invitation for Bid No.:_____

Package-1

Item	Description	Country of Origin	Quantity	Unit	Unit price[1] (in NRs)		Total price (in NRs) (cols. 4x5)
					In Figure	In Words	
1	2	3	4		5		4x5=6
1	Emergency and Recovery Trolley with Mattress		5	pcs			
2	Bed Side Locker		5	pcs			
3	IV Stand		5	pcs			
4	3 Fold Screen		10	pcs			
5	4 Fold screen		10	pcs			
6	Patient Transfer Trolley		10	pcs			
7	Ambulance Transfer Trolley		5	pcs			
8	Wheel Chair		10	pcs			
9	Over Bed Table		10	pcs			
10	Wash Basin Stand		10	pcs			
11	Solid Linen Trolley		10	pcs			
12	Oxygen Cylinder Trolley		20	pcs			
13	Foot Step Single		20	pcs			
14	Foot Step Double		20	pcs			
15	Trolley for Dressing Drum		10	pcs			

[1] 19The price shall include the cost of goods, other taxes already paid or payable on the components and raw material us20ed in the manufacture or assembly of the item, the customs duties, transportation cost up to final delivery, insurance cost, unloading, and any other cost for (incidental) services, if any, related to the delivery of goods. All risks and responsibilities up to the final destination including installation and commissioning of Goods, if applicable, shall be borne by the Supplier.

16	Medicine Trolley		10	pcs			
17	Case History Trolley		10	pcs			
18	Instrument Trolley		5	pcs			
19	Dressing Trolley		5	pcs			
20	Crash Cart		1	pcs			
21	ECG Machine		1	pcs			
22	Patient Monitor		5	pcs			
23	Suction Machine		5	pcs			
24	Defibrillator		1	pcs			
25	Oxygen flowmeter		400	pcs			
26	BIPAP		20	pcs			
27	OT Table Electrical for General Type		1	pcs			
28	OT Light LED		1	pcs			
29	Electro surgical Machine		1	pcs			
30	Anesthesia Machine		1	pcs			
31	DR Machine Mob 500 Ma		1	pcs			
32	Portable Ultrasound		1	pcs			
						Total	
						VAT	
						Grand Total	

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Name of Bidder _____ Invitation for Bid No.:_____

Package-2

Item	Description	Country of Origin	Quantity	Unit	Unit price[2] (in NRs)		Total price (in NRs) (cols. 4x5)
					In Figure	In Words	
1	Hemodialysis Machine		5	pcs			
						Total	
						VAT	
						Grand Total	

[2] The price shall include the cost of goods, other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the item, the customs duties, transportation cost up to final delivery, insurance cost, unloading, and any other cost for (incidental) services, if any, related to the delivery of goods. All risks and responsibilities up to the final destination including installation and commissioning of Goods, if applicable, shall be borne by the Supplier.

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Name of Bidder _____ Invitation for Bid No.:_____

Package-3

Item	Description	Country of Origin	Quantity	Unit	Unit price[3] (in NRs)		Total price (in NRs) (cols. 4x5)
					In Figure	In Words	
1	2	3	4		5		4x5=6
1	FULLY AUTO BIO-CHEMISTRY ANALYZER - 200 Test		1	Pc			
2	FULLY AUTO 3-DIFF HEMATOLOGY ANALYZER		1	Pc			
3	AUTO ELECTROLYTE ANALYZER		1	Pc			
4	MICROSCOPE		1	Pc			
5	CENTRIFUGE		1	Pc			
6	WATER BATH OR DRY BATH		1	Pc			
7	REFRIGERATOR-200 Liter		1	Pc			
8	SEMI AUTO COAGULATION ANALYZER		1	Pc			
9	HEMOGLOBINOMETER		1	Pc			

[3] 19The price shall include the cost of goods, other taxes already paid or payable on the components and raw material us20ed in the manufacture or assembly of the item, the customs duties, transportation cost up to final delivery, insurance cost, unloading, and any other cost for (incidental) services, if any, related to the delivery of goods. All risks and responsibilities up to the final destination including installation and commissioning of Goods, if applicable, shall be borne by the Supplier.

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10	AUTO ESR		1	Pc			
11	AUTOCLAVE		1	Pc			
12	VDRL SHAKER		1	Pc			
13	INCUBATOR		1	Pc			
14	REFRIGERATOR - 400 Liter		1	Pc			
15	CLIA MACHINE		1	Pc			
						Total	
						VAT	
						Grand Total	

Name of Bidder _____ Invitation for Bid No.:_____

Package-4

Item	Description	Country of Origin	Quantity	Unit	Unit price[4] (in NRs)		Total price (in NRs) (cols. 4x5)
					In Figure	In Words	
1	2	3	4		5		4x5=6
1	Steam Sterilizer 500 Liter		1	Pc			
2	Waste Collection Beans 3 beans set up		20	Pc			
3	Waste Transport System		2	Pc			
4	UV Light		100	Pc			
5	AC (2 tons)		20	Pc			
6	Laundry System		1	Pc			
7	Curtain		200	Pc			
8	Bedsheet, Pillow Cover		300	Pc			
						Total	
						VAT	
						Grand Total	

[*If there are more than one lot/slice/package, prepare Price Schedule form for each lot/slice/package*]

Name _____

In the capacity of _____

[4] 19The price shall include the cost of goods, other taxes already paid or payable on the components and raw material us20ed in the manufacture or assembly of the item, the customs duties, transportation cost up to final delivery, insurance cost, unloading, and any other cost for (incidental) services, if any, related to the delivery of goods. All risks and responsibilities up to the final destination including installation and commissioning of Goods, if applicable, shall be borne by the Supplier.

Signed _____

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

Date

Bid Security

[This is the format for the Bid Security to be issued on the letterhead by a Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law specified by Nepal Rastra Bank]

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

Date: ***[insert date]***

Beneficiary: ***[insert Name and Address of Purchaser]***

BID GUARANTEE No.: ***[insert number]***

We have been informed that ***[insert name of the Bidder]*** (hereinafter called "the Bidder") intends to submit its bid to you (hereinafter called "the Bid") for the execution of ***[insert name of contract]*** under Invitation for Bids No***. [insert IFB number]*** ("the IFB").

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

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

(a) has withdrawn or modifies its Bid:

i) during the period of bid validity specified by the Bidder on the Letter of Bid, in case of electronic submission

(ii) from the period twenty-four hours prior to bid submission deadline up to the period of bid validity specified by the Bidder on the Letter of Bid, in case of hard copy submission; or

(b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB"); or

(c) changes the prices or substance of the bid while providing information pursuant to clause 29.1 of ITB; or

(d) having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity, (i) fails or refuses to execute the Contract Agreement, or (ii) fails or refuses to furnish the performance security, in accordance with the ITB.

(e) is involved in fraud and corruption in accordance with the ITB.

This guarantee will expire: (a) if the Bidder is the successful Bidder, upon our receipt of copies of the contract signed by the Bidder and the performance security issued to you upon the instruction of the Bidder; and (b) if the Bidder is not the successful Bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder of the name of the successful Bidder; or (ii) thirty (30) days after the expiration of the Bidder's bid which comes to be ***[insert the date]***.

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

Name _____
In the capacity of _____
Signed _____

Duly authorized to sign the Bid Security for and on behalf of _____
Date _____

Letter of Commitment for Bank's Undertaking for Line of Credit

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

(On Letter head of the commercial bank or Financial Institution)

Invitation for Bids No: Date:

Contract No:

Name of Contract :

To:

[*Name and address of the Procuring Entity*]

CREDIT COMMITTMENT No: [*insert number*]

We have been informed that *[name of Bidder]* (hereinafter called "the Bidder") intends to submit to you its Bid (hereinafter called "the Bid") for the execution of the Contract of ***[description of Contract]*** under the above Invitation for Bids (hereinafter called "the IFB").

Furthermore, we understand that, according to your conditions, the Bidder's Financial Capacity i.e. Liquid Asset must be substantiated by a Letter of Commitment of Bank's Undertaking for Line of Credit.

At the request of, and arrangement with, the Bidder, we *[name and address of the Bank]* do hereby agree and undertake that [*name and address of the Bidder*] will be provided by us with a revolving line of credit, in case awarded the Contract, for execution of the

Contract viz. [*insert name of the Contract*], for an amount not less than NRs …….[*in figure*] (*in words*) for the sole purpose of the execution of the above Contract. This Revolving Line of Credit will be maintained by us until ***[Insert "Initial Contract Period"]*** months by the Procuring Entity.

In witness whereof, authorised representative of the Bank has hereunto signed and sealed this Letter of Commitment.

Signature Signature

Manufacturer's Authorization Letter

[*This letter of authorisation should be on the letterhead of the manufacturer and should be signed by the person with the proper authority to sign documents that are binding on the manufacturer]*

(ii)

(iii)

Date: _____

IFB No.: _____

To:_____

WHEREAS_____ who are official manufacturers of _____ having factories at _____ do hereby authorize _____ exclusively to submit a Bid in relation to the Invitation for Bids indicated above, the purpose of which is exclusively to provide the following Goods, manufactured by us _____ and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 27 of the General Conditions of Contract, with respect to the Goods offered by the above firm in reply to this Invitation for Bids.

Name _____

In the capacity of: _____

Signed _____

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

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Date _____

Section V. Schedule of Requirements

Contents

List of Goods and Related Services

The purpose of the List of Goods and Related Services (LGRS) is to briefly describe and specify the quantities of each of the Goods and Related Services that the Purchaser requires the Bidder to include in its Bid. As a part of the SR, the LGRS constitutes a Contract document and, therefore, it is a part of the Contract. The Purchaser must prepare the LGRS and include it as a part of the SR.

If the Goods and Related Services are grouped in lots, the Purchaser must state here whether Bidders are permitted to submit Bids for individual lots or not. For example:

The Goods and Related Services are in Packages.

Package No. :- Procurements of Equipment & Accessories for Manipal Covid Hospital Janakpurdham				
Item No.	**Name of Goods or Related Services**	**Description**	**Unit of Measurement**	**Quantity**
1	**As PER BOQ**	**As Specification Provided**	**As Per Delivery Schedule**	**As Per Delivery Schedule**

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Delivery and Completion Schedule

Delivery shall take place in compliance with the dates, duration,and locations indicated below:

(I) in case of Delivery schedule is determined as evaluation criteria

Line Item No	Description of Goods	Quantity	Physical unit	Final Destination	Delivery Date
1.	2	3	4	5	6
Package-I	Procure of Manipal covid Hospital related Equipment & Accessories	As per BOQ	As per BOQ	**Province Health Logistic Management Centre, Province 2, Janakpurdham, Dhanusha.** **Or** **AS Per Office Decisions in province 2**	**Within 5 days from the date of signing the contract**
Package-II	Procure of Manipal covid Hospital related Equipment & Accessories	As per BOQ	As per BOQ	**Province Health Logistic Management Centre, Province 2, Janakpurdham, Dhanusha.** **Or** **AS Per Office Decisions in province 2**	**Within 5 days from the date of signing the contract**

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Package-III	Procure of Manipal covid Hospital related Equipment & Accessories	As per BOQ	As per BOQ	**Province Health Logistic Management Centre, Province 2, Janakpurdham, Dhanusha.** **Or** **AS Per Office Decisions in province 2**	**Within 5 days from the date of signing the contract**
Package-IV	Procure of Manipal covid Hospital related Equipment & Accessories	As per BOQ	As per BOQ	Province Health Logistic Management Centre, Province 2, Janakpurdham, Dhanusha.	**Within 5 days from the date of signing the contract**

3. Technical Specifications

The purpose of the Technical Specifications (TS) is to define the technical characteristics of the Goods and Related Services required by the Purchaser. The TS, as a part of the schedule of Requirements (SR), constitute a Contract document and are, therefore, a part of the Contract. The Purchaser must prepare the TS and include them as a part of the Procurement Document, as applicable to each Contract.

Technical Specification of Emergency & Recovery Trolley with mattress

S.N.	Purchaser's Specifications	Bidder's Offer
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
1	**Description and Specification**	
1.1	Framework made of Tubular M.S pipe with S.S handle	
1.2	2 Section Platform Top with Fixed 50mm (2") Mattress	
1.3	Trolley mount on approx. 150 mm diagonal Locking castors	
1.4	Swing Away Type Safety side railings in M.S	
1.5	Provided with Adjustable SS I.V Rod, Utility Tray and Cylinder Cage	
1.6	Stretcher Top Size: Handle to hadle Approx. 2090 L X 560W mm	
1.7	Overall Size: approx. 2090 L x 590W x 840 mm	
1.8	It shall come with matress	
2	**Accessories, spares and consumables**	
2.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).	
3	**Standards and Safety Requirements**	
3.1	Must submit ISO 13485 for Medical Devices	
4	**Warranty**	

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4.1	1 year comprehensive warranty should be provided for the bed.	
5	**Maintenance Service During Warranty Period**	
5.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.	
6	**Installation and Commissioning**	
6.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.	

Technical Specification of Bed Side Locker

SN	Purchaser's Specifications	Bidder's Offer
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
1	**Description and Specification**	
1.1	Shall be made from machine pressed CRCA sheets enclosed on three sides	
1.2	Shall have one box one drawer, fitted with membrae wooden top with raised edges,drawer front and cabinet door	
1.3	Shall have mounted on 50mm (2'') wheels at rear and rubber shoe at front	
1.4	Shall have finish pretreated and Epoxy Powder coated	
1.5	Over all size : Approx. 4010L x 410 W x 840H mm	
2	**Accessories, spares and consumables**	

2.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).	
3	**Standards and Safety Requirements**	
3.1	Must submit ISO 13485 for Medical Devices	
4	**Warranty**	
4.1	1 year comprehensive warranty should be provided.	
5	**Maintenance Service During Warranty Period**	
5.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.	
6	**Installation and Commissioning**	
6.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.	

Technical Specification of IV Stand

S.N.	Purchaser's Specifications	Bidder's Offer
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
1	**Description and Specification**	
1.1	Five pronged base fitted with approx. 50mm (2'') castors	
1.2	Approx. 12 mm inner SS rod woth double hook	
1.3	Hight adjustable approx. 1280 -2220	
1.4	Should have in knock down construction	
1.5	Must be SS Pipe with Plastic Base	

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2	**Accessories, spares and consumables**	
2.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).	
3	**Standards and Safety Requirements**	
3.1	Must submit ISO 13485 for Medical Devices	
4	**Warranty**	
4.1	Warranty must be 1 year	

Technical Specification of 3- Fold Screen

S.No.	Purchaser's Specification		Bidder's offer	Remarks
	3 Fold Screen			
	Manufacturer			
	Brand			
	Model Number			
	Country of Origin			
	Technical Specification			
1	Bedside screen must come with 3 panels screen.			
2	Must be supplied with screen curtains.			
3	Should be made with M.S. tubular framework with 3 sections.			
4	Should be mounted on 5cm castors with hooks and springs for curtains.			
5	Finish pretreated and epoxy powder coated.			
6	Should be pretreated and epoxy powder coated.			
	Terms and Conditions			
1	Must submit valid ISO 13485:2003 certificate.			
2	Must submit valid CE compliance certificate.			
3	Warrant period: 1 year from the date of installation.			
4	During the warranty period supplier			

	must ensure planned preventive maintenance along with corrective/ breakdown maintenance whenever required.		

Technical Specification of 4- Fold Screen

S.No.	Purchaser's Specification		Bidder's offer	Remarks
	4 fold screen			
	Manufacturer			
	Brand			
	Model Number			
	Country of Origin			
	Technical Specification			
1	Must be supplied with 4 panel screens.			
2	Should come with screen curtains.			
3	Overall size apporx: 1680mm x 2450mm			
4	Shall be made with M.S. Tubular framework with 4 sections.			
5	Should be mounted on 5cm castors with hooks and springs for curtains.			
6	Each panel shall span 600-610mm wide.			
7	Should be pre-treated and epoxy powder coated.			
	Terms and Conditions			
1	Must submit valid ISO 13485:2003 certificate.			
2	Must submit valid CE compliance certificate.			
3	Warrant period: 1 year from the date of installation.			
4	During the warranty period supplier must ensure planned preventive maintenance along with corrective/ breakdown maintenance whenever required.			

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Technical Specification of Patient Transfer Trolley

S.No.	Purchaser's Specification		Bidder's offer	Remarks
	Patient Transfer Trolley			
	Manufacturer			
	Brand			
	Model Number			
	Country of Origin			
	Technical Specification			
1	Should be height adjustable.			
2	Dimensions approx.: 2050mm x 730mm			
3	Height adjustment: max: 960mm, min: 645mm			
4	Should come with suitable rexine covered mattress.			
5	Should have X-ray permeable two section top and sliding x-ray cassette holder tray.			
6	Should be mounted on 125mm dia 4 castors made up European standards.			
7	Should come with 4 IV rod locations and an IV rod along with oxygen cylinder cage.			
8	Should contain 4 corner buffers.			
	Should be pretreated and epoxy powder coated.			
9	Height adjustment done by hydraulic operated and should have Trendelenburg and reverse Trendelenburg positions.			
	Terms and Conditions			
1	Must submit valid ISO 13485:2003 certificate.			
2	Warrant period: 1 year from the date of installation.			
3	During the warranty period supplier must ensure planned preventive maintenance along with corrective/ breakdown maintenance whenever required.			

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Technical Specification of Ambulance Transfer Trolley

S.No.	Purchaser's Specification		Bidder's offer	Remarks
	Ambulance Transfer Trolley			
	Manufacturer			
	Brand			
	Model Number			
	Country of Origin			
	Technical Specification			
1	Overall approx size: 2020mm x 590mm x 740mm			
2	Approx 31.75mm dia. CRCA Tubular framework.			
3	Trolley should be mounted on four 150mm dia castors made of good quality.			
4	Should come with a detachable top that is powder coated.			
5	Should come with oxygen cylinder holder and SS IV rod with two holding locations.			
6	Should be pretreated and epoxy powder coated.			
	Terms and Conditions			
1	Must submit valid ISO 13485:2003 certificate.			
2	Warrant period: 1 year from the date of installation.			
3	During the warranty period supplier must ensure planned preventive maintenance along with corrective/ breakdown maintenance whenever required.			

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Wheel Chair

S.N.	Purchaser's Specifications	
	Wheel Chair	
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
1	**Description of Function**	
1.1	Wheel chair is used in hospitals for means of mobility by disabled persons/or persons who have impairments that limit their ability to walk.	
2	**Operational Requirements**	
2.1	It shall be a foldable BUT shall NOT a collapsible type. The mechanism of folding & unfolding must be easy. Large standard adult size hospital wheelchair fixed/ foldable type. Easy maneuverable.	
3	**System Configuration**	
3.1	Wheel chair invalid type.	
4	**Technical Specifications**	
4.1	Must be made of the highest quality materials such as Chrome polished finish or stainless steel.	
4.2	Dimensions: approx. W 68 cm × D 110 cm × H 94 cm. Seat width: approx.450mm.	
4.3	Wheels to have braking/locking mechanism and self-propelling SS hoops; two swivel castors (200mm dia. approx.) in front.	
4.4	Tire fitted with self-propelling hoops and brake arrangements.	
4.5	Tire sizes: Rear approx. 60cm (24") solid Mag tyres or Bicycle type spoked wheels, and Front approx. 200mm (8") Mag swivel casters.	
4.6	Armrests: Padded, Fixed height and detachable.	
4.7	Waterproof upholstery and easy to clean.	
4.8	Padded back rest, seat and push handle.	
4.9	Footrests: Fixed height and swing away foot plates and detachable, preferably made of Aluminium.	
4.10	Maximum Patient weight capacity: approx. 150kg.	
4.11	I.V. pod shall be provided at the right side of the back rest.	
5	**Accessories, spares and consumables**	
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).	
6	**Operating Environment**	

S.N.	Purchaser's Specifications
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.
7	**Standards and Safety Requirements**
7.1	Must submit ISO 9001 or ISO 13485:2003/AC:2007 **AND**
7.2	CE or USFDA approved product certificate.
8	**User Training**
8.1	Not applicable.
9	**Warranty**
9.1	Comprehensive warranty for 1 year.
10	**Maintenance Service During Warranty Period**
10.1	Standard warranty conditions are applicable.
11	**Installation and Commissioning**
11.1	Must supply preassembled unit, ready to use.

Technical Specification of Overbed Table

S.No.	Purchaser's Specification		Bidder's offer	Remarks
	Overbed Table			
	Manufacturer			
	Brand			
	Model Number			
	Country of Origin			
	Technical Specification			
1	Overall approx. size: 810mm x 800mm x 1080mm.			
2	Top size should be approx.: 810mm x 355mm.			
3	Should be height adjustable by gas spring mechanism.			
4	Should contain rectangular tube frame.			
5	The trolley should be mounted on a 50mm dia castor wheels made of European quality.			
6	Should be pre-treated and powder coated.			
7	Should come with a membrane on top.			
	Terms and Conditions			

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1	Must submit valid ISO 13485:2003 certificate.		
2	Must submit valid CE compliance certificate.		
3	Warrant period: 1 year from the date of installation.		
4	During the warranty period supplier must ensure planned preventive maintenance along with corrective/ breakdown maintenance whenever required.		

Wash Basin Stand

S.N.	Purchaser's Specifications	Bidder's Offer
	Wash Basin Stand	
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
1	**Technical Specifications**	
1.1	Complete system with stand	
1.2	Heavy duty floor stand	
1.3	It shall be portable type	
2	**User Training**	
2.1	Not applicable.	
3	**Warranty**	
3.1	Warranty for 1 year after acceptance.	
4	**Maintenance Service During Warranty Period**	
4.1	Standard warranty conditions are applicable.	
4.2	**Installation and Commissioning**	
4.3	Must supply preassembled unit, ready to use.	
5	**Documentation**	
5.1	User's manual shall be supplied in English.	

Technical Specification of Solid Linen Trolley

S.No.	Purchaser's Specification		Bidder's offer	Remarks
	Solid Linen Trolley			
	Manufacturer			
	Brand			
	Model Number			
	Country of Origin			
	Technical Specification			
1	Should have an overall approx. size of 510mm dia x 940mm H.			
2	Should have Tubular EPC frame.			
3	Trolley should be mounted on four 100mm dia castors made of European quality.			
4	Should come with a linen bag.			
5	Should be made of stainless steel material.			
	Terms and Conditions			
1	Must submit valid ISO 13485:2003 certificate.			
2	Must submit valid CE compliance certificate.			
3	Warrant period: 1 year from the date of installation.			
4	During the warranty period supplier must ensure planned preventive maintenance along with corrective/ breakdown maintenance whenever required.			

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Technical Specification of Oxygen Cylinder Trolley

S.No.	Purchaser's Specification		Bidder's offer	Remarks
	Oxygen Cylinder trolley			
	Manufacturer			
	Brand			
	Model Number			
	Country of Origin			
	Technical Specification			
1	Should be pre-treated and powder coated.			
2	Trolley should be mounted on two castors with 100mm dia made of European quality.			
3	Should be compatible with standard oxygen cylinders as per Nepal's policy.			
	Terms and Conditions			
1	Must submit valid ISO 13485:2003 certificate.			
2	Warrant period: 1 year from the date of installation.			
3	During the warranty period supplier must ensure planned preventive maintenance along with corrective/ breakdown maintenance whenever required.			

Technical Specification of Foot Step Single

S.No.	Purchaser's Specification		Bidder's offer	Remarks
	Foot Step Single			
	Manufacturer			
	Brand			
	Model Number			
	Country of			

	Origin			
	Technical Specification			
1	Overall construction should be M.S. tubular.			
2	Should consist of MS top with superimposed rubber matting.			
3	Should have four support legs covered with rubber stumps in all legs.			
4	Should be pre-treated and epoxy powder coated.			
	Terms and Conditions			
1	Warranty period: 1 year from the date of installation.			
2	Must submit Iso or CE approved Certificate			
3	During the warranty period supplier must ensure planned preventive maintenance along with corrective/ breakdown maintenance whenever required.			

Technical Specification of Foot Step Double

S.No.	Purchaser's Specification		Bidder's offer	Remarks
	Foot Step Double			
	Manufacturer			
	Brand			
	Model Number			
	Country of Origin			
	Technical Specification			
1	Overall construction should be M.S. tubular.			
2	Should consist of MS top with superimposed rubber matting in both the top and bottom step.			
3	Should have four support legs covered with rubber stumps in all legs.			
4	Should be pre-treated and epoxy			

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	powder coated.		
	Terms and Conditions		
1	Warranty period: 1 year from the date of installation.		
2	During the warranty period supplier must ensure planned preventive maintenance along with corrective/ breakdown maintenance whenever required.		

Trolley for Dressing Drum

S.N.	Purchaser's Specifications	
	Trolley for Dressing Drum	
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
1	**Description of Function**	
1.1	Basic trolley for transport of nursing dressing drum between departments in healthcare facilities.	
2	**Operational Requirements**	
2.1	Stainless steel dressing trolley .	
3	**System Configuration**	
3.1	Dressing drum Trolley, complete unit.	
4	**Technical Specifications**	
4.1	Heavy carriage mounted on swivel anti-static castors, of which two with brakes.	
4.2	Fit on both sides with push bar-handle.	
4.3	Top and bottom shelves with guard rails.	
4.4	Protective bumpers at all four corners.	
5	**Accessories, spares and consumables**	
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).	
6	**Operating Environment**	
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.	
7	**Standards and Safety Requirements**	

S.N.	Purchaser's Specifications
7.1	Must submit ISO 9001 or ISO 13485:2003/AC:2007 **AND**
7.2	CE or USFDA approved product certificate.
8	**User Training**
8.1	Not applicable.
9	**Warranty**
9.1	Comprehensive warranty for 1 year.
10	**Maintenance Service During Warranty Period**
10.1	Standard warranty conditions are applicable.
11	**Installation and Commissioning**
11.1	Must supply preassembled unit, ready to use.
12	**Documentation**
12.1	User's manual shall be supplied in English.

Medicine Trolley

S.N.	Purchaser's Specifications
	Trolley, Medicine
	Manufacturer
	Brand
	Type / Model
	Country of Origin
1	**Description of Function**
1.1	A medicine/drug trolley for storage and delivery of medicines and drugs to patients in wards of healthcare facilities.
2	**Operational Requirements**
2.1	Stainless steel medicine trolley with swivel castors.
3	**System Configuration**
3.1	Medicine Trolley, complete unit.
4	**Technical Specifications**
4.1	It shall be constructed fully with 304 grade stainless steel sheet and tube or better.
4.2	Overall size: approximately 900 H x 460 W x 760 L mm.
4.3	Flat top of SS and at least 6 inch deep removable bucket at bottom.
4.4	Multiple drawers (minimum 6) made of high quality materials with telescopic channels, below the platform.
4.5	Minimum 6 small boxes to keep drugs at eye level.
4.6	Equipped with waste bin, needle disposable container, file cassette, atraumatic corner buffers and guard rails.
4.7	Shall have provision for hanging one IV fluid bottle.
4.8	Equipped with lock key system.
4.9	Shall be mobile on 4 x 100mm diameter (approx.) robust 360 deg. anti-rust, anti-static,

S.N.	Purchaser's Specifications
	noiseless, swivel castors with non-marking grey tyres and with at least 2 diagonal castors shall have brakes.
5	**Accessories, spares and consumables**
5.1	**Accessories:** • SS bowl: 01 no.
6	**Operating Environment**
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.
7	**Standards and Safety Requirements**
7.1	Must submit ISO 9001 or ISO 13485:2003/AC:2007 **AND**
7.2	CE or USFDA approved product certificate.
8	**User Training**
8.1	Not applicable.
9	**Warranty**
9.1	Warranty for 1 year after acceptance.
10	**Maintenance Service During Warranty Period**
10.1	Standard warranty conditions are applicable.
11	**Installation and Commissioning**
11.1	Must supply preassembled unit, ready to use.
12	**Documentation**
12.1	User's manual shall be supplied in English.

Case History Trolley

S.N.	Purchaser's Specifications
	Case History Trolley
	Manufacturer
	Brand
	Type / Model
	Country of Origin
1	**Technical Specifications**
1.1	It shall have two row
1.2	It shall have made up of ABS Plastic
1.3	Mounted on castors
1.4	It shall have space for at least 40 patients history files
1.5	It shall have at least two drawers
1.6	Size of the double row trolley shall be approx.. (650x400x850) mm(LxDxH)
2	**User Training**
2.1	Not applicable.

S.N.	Purchaser's Specifications
3	**Warranty**
3.1	Warranty for 1 year after acceptance.
4	**Maintenance Service During Warranty Period**
4.1	Standard warranty conditions are applicable.
4.2	**Installation and Commissioning**
4.3	Must supply preassembled unit, ready to use.
5	**Documentation**
5.1	User's manual shall be supplied in English.

Technical Specification of Instrument Trolley

S.No.	Purchaser's Specification		Bidder's offer	Remarks
	Instrument Trolley			
	Manufacturer			
	Brand			
	Model Number			
	Country of Origin			
	Technical Specification			
1	Overall approx size: 700mm x 470mm x 830mm			
2	Tubular framework of approx. 25mm			
3	Tubular framework must be made of stainless steel material.			
4	Should be 304 grade.			
5	Top and bottom shelves should have railing on top and should be made of stainless steel material.			
6	Trolley should be mounted on 100mm dia non rusting castors of European quality.			
	Terms and Conditions			
1	Must submit valid ISO 13485:2003 certificate.			
2	Must submit valid CE compliance certificate.			
3	Warrant period: 1 year from the date of installation.			
4	During the warranty period supplier			

	must ensure planned preventive maintenance along with corrective/ breakdown maintenance whenever required.		

Technical Specification of Dressing Trolley

S.No.	Purchaser's Specification		Bidder's offer	Remarks
	Dressing Trolley			
	Manufacturer			
	Brand			
	Model Number			
	Country of Origin			
	Technical Specification			
1	Overall approx size: 1065mm x 470mm x 830mm			
2	Tubular framework of approx. 25mm			
3	Tubular framework must be made of stainless steel material.			
4	Should be 304 grade.			
5	Should consist of shelves with railings on top with material made of stainless steel.			
6	Trolley should be mounted on 100mm dia non rusting castors of European quality.			
7	Should come with accessory SS bowl of approx. 360mm dia and SS bucket with 300mm dia.			
	Terms and Conditions			
1	Must submit valid ISO 13485:2003 certificate.			
2	Must submit valid CE compliance certificate.			
3	Warrant period: 1 year from the date of installation.			
4	During the warranty period supplier must ensure planned preventive maintenance along with corrective/			

	breakdown maintenance whenever required.		

Technical Specification of Emergency Crash Cart

S.N.	Purchaser's Specifications		Bidder's Offer	Catalogue's Page number
	Emergency Crash Cart			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	**Description of Function**			
1.1	Emergency trolley or (Emergency Crash Cart) is a set of trays/drawers/shelves on wheels used in hospitals for transportation and dispensing of emergency medication/equipment at site of medical/surgical emergency for life support protocols potentially to save a patient's life.			
2	**Operational Requirements**			
2.1	Stainless steel trolley on stainless steel tubular frame.			
3	**System Configuration**			
3.1	Emergency trolley (Emergency Crash Cart) with removable coloured bins, storage units, fitted with oxygen cylinder holder and electric lamp holder and four swivels castors.			
4	**Technical Specifications**			
4.1	Dimensions: approx. 960mm L x 500mm W x 1545mm H.			
4.2	Stainless steel top and shelf & equipped with 4 - 6 removable coloured bins made of moulded plastic.			
4.3	Lockable storage units – 3 (stainless steel or moulded plastic). **Wood or wood laminate construction drawers are NOT acceptable.**			

S.N.	Purchaser's Specifications	Bidder's Offer	Catalogue's Page number
4.4	To be fitted with stainless steel, height adjustable, twin hook/loop, IV pole assembly.		
4.5	Fully, 360 deg. swivel castors/wheels, size 125mm dia with at least one castor/wheel to have locking/brake mechanism.		
4.6	SS shelves 14 G thick stainless steel.		
4.7	Top shelf to have stainless steel guard rail approx.35mm above surface.		
4.8	Fitted with epoxy powder coated oxygen cylinder holder and electric lamp holder with clamp and cardiac massage board.		
4.9	Must be capable of carrying ECG Monitor/defibrillator and a suction apparatus.		
5	**Accessories, spares and consumables**		
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).		
6	**Operating Environment**		
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.		
7	**Standards and Safety Requirements**		
7.1	Must submit ISO 9001 or ISO 13485:2003/AC:2007 **AND**		
7.2	CE or USFDA approved product certificate.		
8	**User Training**		
8.1	Not applicable.		
9	**Warranty**		
9.1	Comprehensive warranty for 1 year.		
10	**Maintenance Service During Warranty Period**		

S.N.	Purchaser's Specifications	Bidder's Offer	Catalogue's Page number
10.1	Standard warranty conditions are applicable.		
11	**Installation and Commissioning**		
11.1	Must supply preassembled unit, ready to use.		
12	**Documentation**		
12.1	User's manual shall be supplied in English.		

Technical specification Of ECG Machine

S.N.	Purchaser's Specifications		Bidder's offer	Page in catalogue	Remarks
	ECG Machine, Portable (12Channel)				
	Manufacturer				
	Brand				
	Type/Model				
	Country of Origin				
1	**Description of Function**				
1.1	ECG Machine is primary equipment to record ECG Signal in various configurations.				
2	**Operational Requirements**				
2.1	Portable digital ECG machine must be able to acquire all 12leads simultaneously.				
3	**System Configuration**				
3.1	Portable digital ECG machine with complete accessories				
4	**Technical Specifications**				
4.1	Simultaneous recording of 12 standard leads: aVR, aVL, aVF, I, II, III andV1-6pre-cordials.				
4.2	Internal memory for data storage.				
4.3	Alpha numeric silicon keyboard with function keys.				
4.4	Manual/Auto working modes				
4.5	Filter setting Interference Filter: AC Filter and EMG Filter.				
4.6	Baseline stabilization inspection facility available.				
4.7	Common mode rejection (CMMR) ≥100dB (with AC filter)				
4.8	7 inches TFT LCD screen				
4.9	Maximum allowable patient Current Leakage 10μA				

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4.10	Maximum allowable noise level 15μVp-p			
4.11	Maximum allowable single channel interference Signal 0.5mm			
4.12	Should have page speed options of 6.25, 12.5, 25, 50mm/s with accuracy of ±3%			
4.13	Built-in high-resolution thermal printer, with automatic and manual printing mode			
4.14	Printer sensitivity of 10mm/mV (AUTO), 2.5, 5, 10, 20mm/mV			
4.19	CPU of minimum 32 bits			
4.20	With internal re-chargeable battery			
5	**Accessories, spares and consumables**			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The system offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity etc.			
6.2	Power supply: Power Supply: AC 220V (±10%), 50Hz±1Hz, Power ≤60VA AC 85-265V, 50/60Hz DC14.8V (2200mAh), rechargeable Li-ion battery			
7	**Standards and Safety Requirements**			
7.1	MustsubmitISO13485forMedicalDevices			
7.2	CE (93/42EECDirectives) or USFDA approved product certificate.			
7.3	Electrical safety conforms to standards for electrical safety IEC-6060- General Requirements and IEC-60601-2-25 Safety of Electrocardiograms.			
8	**UserTraining**			
8.1	Must provide user training (including how to use and maintain the equipment).			
9	**Warranty**			
9.1	Comprehensive warranty for 2years after acceptance.			
10	**Maintenance Service During Warranty Period**			

10.1	During the warranty period supplier must ensure corrective/breakdown maintenance when ever required.			
11	**Installation and Commissioning**			
11.1	Supplier must accomplish proper installation and Commissioning of the equipment on site.			
12	**Documentation**			
12.1	User(Operating) manual in English			
12.2	Service(Technical/Maintenance) manual in English			
12.3	Listofimportantsparepartsandaccessorieswiththeirpa rtNumbersandcosting.			
12.4	Certificate of calibration and inspection from factory.			

Technical specification Patient Monitor (5 parameters)

S.N.	Purchaser's Technical Specifications	Bidder's Offer	Catalogue Page no.
	Manufacturer :		
	Brand :		
	Type / Model :		
	Country of Origin :		
1.	**Description of Function**		
1.1	Advance high end monitoring vital signs of all patient categories, at bedside, transportation applicable for Adult, Pediatric and neonatal application		
2.	**Operational Requirements**		
2.1	It shall operate on AC power supply as well as built-in battery.		
3.	**System Configuration**		
3.1	Should have ECG, SpO2, NIBP, Respiration and Temperature		
4	**Technical Specifications**		
4.1	Advanced High end ICU Monitor for Adult, Pediatric and neonatal application		
4.2	Should have 12" or more high resolution with navigation wheel		
4.3	Should have facility to display ECG, SpO2, NIBP, Respiration and temperature simultaneously		

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4.4	Monitor should show patient's Perfusion with spo2 measurement		
4.5	Monitor should have Temperature label to display accurate place of temperature measurement. Of Skin temp, rectal temp , naso temp . art temp, core temp, esoph tmp , ven temp		
4.6	Monitor should have bed to bed overview function		
4.7	Should display at least 12 waveforms of selected parameters simultaneously		
4.8	Monitor must have Lithium ion Battery. More than 3 hour battery backup.		
4.9	Monitor should work on Fan-less technology		
4.9	**Measurements range:**		
4.9.1	HR approximately 15 to 300bpm		
4.9.2	NIBP approximately 20 to 300mmHg (systolic)		
4.9.3	SpO2 approximately 0 to 100%		
4.9.4	RR (ECG derived) approximately 15 to 300bpm		
4.9.5	Temperature approximately 0 to 50C		
4.9.6	NIBP oscillometric step deflation, manual/automatic, initial inflation pressure user selectable		
4.9.7	Must have Alarm limit display on main screen.		
4.9.8	Monitor must have Patient specific alarm default settings.		
4.9.9	Monitor should have 240 hours (10 days) of graphical and tabular trends and 48 hours of full disclosure.		
4.9.10	Must have Up to 8 hours of short trend display side by side with real time waveforms and numeric.		
4.9.11	Must have Up to 8 waveforms display.		
4.9.12	Shall have defibrillator protection during defibrillation.		
4.9.13	Shall have pacemaker detection/rejection.		
4.9.14	Display shall have facility to report system errors, leads and sensors failure and built-in battery status.		
4.9.15	Automatic switch to batteries in case of power failure.		
5	**Accessories, spares and consumables**		
5.1	**Accessories:** Should be supplied with standard accessories. • 3 lead ecg electrode cable -2 pc • Paediatric and neonate Spo2 probe-1 each • Paediatric and neonate NIBP Cuff- 1 each • Temperature probe: Skin and Rectal- 1 each		
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer.		

6.0	**Operating Environment**		
6.1	The system offered shall be designed to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.		
6.2	Power supply: 220 - 240 VAC, 50Hz fitted with appropriate plug.		
7	**Standards and Safety Requirements**		
7.1	Must submit ISO 9001 or ISO13485:2003/AC:2007 for medical devices AND		
7.2	CE (93/42 EEC Directives) and USFDA approved product certificate. Self declared CE certificate will no be accepted.		
7.3	Shall meet IEC-60601-1-2:2001 General Requirements of Safety for Electromagnetic Compatibility. Document evidence shall be submitted for evaluation		
8.0	**User Training**		
8.1	The Supplier shall conduct user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.		
9.0	**Warranty**		
9.1	Warranty for the Monitor should be 2 years		
9.2	Commitment letter from the manufacturer guaranteeing the availability of spare parts for the next 10 years.		
10.0	**Maintenance Service During Warranty Period**		
10.1	During the warranty period supplier must ensure corrective/ breakdown maintenance whenever required.		
11.0	**Installation and Commissioning**		
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.		
12	**Documentation**		
12.1	User (Operating) manual in English.		
12.2	Service (Technical / Maintenance) manual in English.		
12.3	Certificate of calibration and inspection from factory.		

Technical Specification for Suction Machine

S.No.	Purchaser's Specification		Bidder's offer	Remarks
	Suction			

	Machine			
	Manufacturer			
	Brand			
	Model Number			
	Country of Origin			
	Technical Specification			
1	Should be an electrically operated machine consisting of double jars.			
2	The machine should come with oil free piston pump supporting approx 2 x 2.0 ltrs PC jars.			
3	Should come with suction controller and vacuum gauge/indicator.			
4	It should be mounted on four robust, fully 360 degree swiveling, antistatic, non-marking castors with at least 2 diagonal brakes.			
5	Should come with overflow control valves.			
6	The machine should be housed in a full metal body.			
7	Should have an approx capacity of 730mm Hgg at 60 LPM.			
8	Should come with a reusable bacterial filter.			
9	Vacuum gauge should be approx 3.0 inch, 0-760mmHg.			
10	It should have a noise level of <50 dB A +/- 3.			
11	Must operate on 220/230V AC, 50Hz, 1h.			
12				
	Terms and Conditions			
1	Warranty period: 1 year from the date of installation.			
2	During the warranty period supplier must ensure planned preventive maintenance along with corrective/ breakdown maintenance whenever required.			
3	Hard copy and soft copy of both user manual and service manual in English shall be provided at the			

	time of installation.		

Technical Specification of Defibrillator (with Monitor)

S.N.	Purchaser'sSpecifications		Bidder'sOffer		
	Defibrillator(with Monitor)		**Yes/No**	**Page No. incatalog**	**Remarks**
	Manufacturer				
	Brand				
	Type/Model				
	CountryofOrigin				
1	**DescriptionofFunction**				
1.1	Defibrillator is required for reviving the heart functionsbyprovidingselectedquantumofelectricalshockswithfacilityformonitoringvital parameters.				
2	**OperationalRequirements**				
2.1	Usedinemergency&criticalcaredepartmentstomeetvariousresuscitationandmonitoringneedssuitableforneonates/children andadults				
3	**SystemConfiguration**				
3.1	Defibrillatormustbeuserfriendly,Biphasic,lightweightforeasytransportand latestmodelwithcompleteaccessories.				
3.2	Machineshouldhavereadyforuseindicatortoshowmachine's functioningstatus.				
4	**TechnicalSpecifications**				
4.1	ShallhavebothAED(automatedexternaldefibrillator)andManualcapabilities.				
4.2	Thedefibrillationshockisdeliveredusingbiphasicwaveformwhichdelivers a lower range of energy shocks approx. 1 to 360 joules.Forinternaldefibrillation,theenergyislimitedto50joules.				
4.3					
4.4	Abletoperformsynchronizedcardioversionand non-invasivepacingtherapy.				
4.5	MachineshouldhaveECGmonitoring facility from 3 to 12 leads and also must have defibrillating ECG monitoring with single lead.				
4.6	Should require less than 5 seconds of time to charge to 200 J and less than 8 seconds to charge to 360 J with fully charged battery and less than 7 seconds to charge to 200 J while in AC power.				

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4.7	OperatesonACpowersupplyandinternalbattery.			
4.8	Shallhaverechargeablebatterybackupfacility.Fullychargedbattery shalldeliverapproximately400discharges.Biddertospecifythetypeof batteryused.			
4.9	Shallhaveintegral recorder with thermal array			
4.10				
4.11	**ControlPanel** ● Controlpanelshallhaveahigh-resolutionLCD touch screen minimum of 8inches with resolution of 800*600megapixel touch screen. ● Must have two alarm indicator, battery indicator, error indicator and QRS beep with alarm sound. ● AudibleindicationshallbeavailableduringAEDmode. ● ShoulddisplayECG,HRindicator,batterystatus,shockin dicator. ● Must have 4 channel wave form display ● HRlimitandshockablerhythmsalarmsshallbeprovi ded.			
4.12	Should have inbuilt monitoring facility for ECG, Respiration and temperature			
4.13	Should have pad based eternal defibrillation and electrode plate based internal defibrillation facility			
4.14	Defibrillation success to be indicated by ECG, Respiration and Temperature.			
4.15	Data storage: 200 alarm events, 1000 general patient profile, wave review of 48 hours, 500 ECG reports, 160 hours of trend table & graph and NIBP of 2000 groups.			
5	**Accessories,sparesandconsumables**			
5.1	Allstandardaccessories,consumablesandpartsrequiredtooperate the equipmentincluding all standard toolsandcleaningandlubrication materials tobe includedinthe offer. Biddersmust specifythequantityof everyitem Includedintheiroffer(includingitemsnotspecifiedabove).			
6	**OperatingEnvironment**			
6.1	Thesystemofferedshallbedesignedtobestoredandtooperatenorma llyundertheconditionsofthepurchaser'scountry.Theconditionsinc ludePowerSupply,Climate,Temperature, Humidity etc.			

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6.2	Mustworkon220-240V/50HzAC.Singlephasefittedwithappropriateplugsandsockets.The mainscable minimum3meterlong.			
7	**StandardsandSafetyRequirements**			
7.1	MustsubmitISO13485 and ISO 9001 forMedicalDevices**AND**			
7.2	CE(93/42EECDirectives)orUSFDAapprovedproductcertificate.			
8	**UserTraining**			
8.1	TheSuppliershallconduct user training for thisequipmenttoenableoperatorstousetheequipmentproperly.Thetrainingshallincludetheuseofalloperationalfunctionsoftheequipment aswellasroutinechecksand Maintenanceexpectedbyusers.			
9	**Warranty**			
9.1	Comprehensivewarrantyfor2yearsafteracceptance.			
10	**MaintenanceServiceDuringWarrantyPeriod**			
10.1	During the warranty period supplier must ensure plannedpreventive maintenance (PPM) along withcorrective/breakdownmaintenancewhenever required.			
11	**InstallationandCommissioning**			
11.1	Thebiddermustarrangefortheequipmenttobeinstalledandcommissioned by certified or qualified personnel; any prerequisites forinstallationtobecommunicatedtothepurchaserinadvance,in detail.			
12	**Documentation**			
12.1	User(Operating)ManualinEnglish			
12.2	Service(Technical&Maintenance)manualinEnglish			
12.3	ListofimportantsparepartsandaccessorieswiththeirpartNumbersandcosting			
12.4	Certificateofcalibrationandinspectionfromfactory.			

Oxygen Flowmeter

S.N	Purchaser's Specifications		Bidder's Offer
	Oxygen Flowmeter		
	Manufacturer		
	Brand		
	Type / Model		
	Country of Origin		
1	**Description of Function**		
1.1	Flowmeter for Oxygen Cylinder: Regulator, Flow Meter and Bubble Humidifier)		
2	**Operational Requirements**		
2.1	Regulator, Flow meter and Bubble Humidifier for 46 L Oxygen cylinder		
3	**System Configuration**		
3.1	Regulator, Flow Meter and Bubble Humidifier for Oxygen cylinder 46 Liter		
4	**Technical Specifications**		
4.1	**Regulator:** • Bull nose screw type, medical oxygen cylinder fitting • Regulated to convert standard cylinder pressure (typically 2,000 psi) to approximately 4 BAR (4 atmospheres) pressure • Regulator delivery pressure must be factory pre-set, and not permit user adjustment • Maintenance engineer adjustment of delivery pressure via a screw slot or covered or capped system is required • Regulator must be diaphragm type needle valve regulators are NOT permitted. • The regulator must provide genuine pressure reduction and not just flow reduction • Regulator must incorporate overpressure safety valve with auto venting		
4.2	**Flow Meter:** • Back Pressure Controlled Flow Meter • Sturdy and reliable Flow Meter Unit for an accurate measuring of flow of gases. • Chromium plated Brass body. • Metering tube and cover made of unbreakable Poly carbonate. • Flow adjustment by Needle valve equipped with inlet filter – 100 µm. • Flow rate range at least 5 litres / minute. • Inlet pressure suitable for the cylinder. • Flow meter to be attached to regulator output		
4.3	**Bubble Humidifier with Safety Valve and Pressure Relief Valve:**		

S.N.	Purchaser's Specifications	Bidder's Offer
	• Lid made of ABS Plastic • Jar made of Unbreakable Poly Carbonate • Valve Brass chromium plated • Humidifier jar must be steam autoclaveable / gas sterilizeable.	
5	**Accessories, spares and consumables**	
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).	
6	**Operating Environment**	
6.1	The system offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Climate, Temperature, Humidity, etc.	
7	**Standards and Safety Requirements**	
7.1	This unit shall be certified to meet ISO9001	
8	**User Training**	
8.1	Must provide user training (including how to use and maintain the equipment).	
9	**Warranty**	
9.1	Comprehensive warranty for 1 year after acceptance.	
10	**Maintenance Service During Warranty Period**	
10.1	Standard warranty conditions are applicable.	
11	**Installation and Commissioning**	
11.1	Supplier must accomplish proper commissioning of the equipment on site.	

Technical Specifications of Bi-level Positive Airway Pressure machine

S.N.	Descriptions	Bidders offer	Page no in	Remarks

			catalogue	
1	**BIPAP Machine Specification**			
	Manufacturer			
	Model No			
	Brand			
	Country Of Origin-			
2	The BPAP Machine intended to Use for OSA, Respiratory Insufficiency			
2.1	The system should have touch Screen Interface minimum 5 inches			
2.2	It must have timely waveform display function,			
2.3	It must have Advanced ventilation algorithm in synchronization gives patient a real brilliant experience of free breath.			
2.4	It must have Cluster scheme setting for pre-setting parameters. Caregiver can easily select the right option for particular patient and make the necessary changes at any time while required.			
3	**Treatment Specifications**			
3.1	Basic information			
3.2	Circuit compensation			
3.3	Mode-CPAP,S, Auto S, Auto S/T,T			
3.4	E-COMP*-4-20cm H2O			
3.5	CPAP pressure range -4-25cmH2O			
3.6	IPAP pressure range -4-30cmH2O			
3.7	EPAP Pressure Range-4-25cmH2O			
3.8	EVAPS Static Pressure Accuracy-0.5cmH2O			
3.9	Dynamic pressure accuracy-1cmH2o			
3.10	Respiratory rate -5-30bpm			
3.11	Back Up frequency			
3.12	Rise Time-150-900ms			
3.13	Inspiratory Trigger sensitivity Auto,1-5			
3.14	Expiratory Trigger sensitivity-Auto,1-5			
3.15	Cluster Scheme Setting-			

4	**Comfort Parameters:**			
4.1	Multi-language setting			
4.2	Respiratory Event Detection-			
4.3	Ramp			
4.4	Auto ramp			
5	**Patient Safety and ease features:**			
5.1	Auto altitude adjustable			
5.2	It must have Leakage Compensation- 245 L/min			
5.3	All the waveform must be displayed			
5.4	It can monitor multi Parameter			
5.5	It should have option for Spo2 Module via Bluetooth			
5.6	Auto on /off			
6	**Physical Characteristics**			
6.1	Noise Level (ISO80601 2-70) ≤28dB			
6.2	Weight-Less than 2 Kgs			
6.3	Screen - Color ,Touch screen			
6.4	Screen Size-minimum 5 inches			
6.5	Patient report on main screen $Sp0_2$, PR			
6.6	Humidity function			
6.7	Integrated humidifier Auto humidity			
6.8	Auto Humidity			
6.9	Preheating			
6.10	Heated tube			
6.11	Anti-Leakage in Inclined Water Tank Position			
6.12	Water Level Detection			
6.13	Intelligent Tube drying			
7	**Data management**			
7.1	Data storage in main unit(1 year statisticaldata,1 Week high resolution data)			
7.2	SD card high-resolution data storage (10 years) Wireless transmission (WIFI, GPRS)			
7.3	Multi-platform synchronous data sharing for patients			

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	and clinics (Android, iOS, Web)			
7.4	SIM Card connection via 4G or Wi fi			
7.5	OTHERS			
7.6	IPP-IP22			
8	**Accessories**			
8.1	SD Card			
8.2	Nasal mask			
8.3	Tube(15mm Diameter)			
9	**Certifications-**			
9.1	ISO,CE or USFDA			
10	**Training-**			
10.1	Onsite Training Must Provide			
10.2	waranty-2 years			

Technical Specification of Elctric OT Table

S.No.	Purchaser's Specification		Bidder's offer	Remarks
	Electric Operation Table			
	Manufacturer			
	Brand			
	Model Number			
	Country of Origin			
	Technical Specification			
1	Overall Dimension should be 100rendel: Length: 1900mm Width: 520mm Height (without mattress): from 750mm to 1000mm			
2	Should support following table positions: • Height adjustment: up and down. • Lateral tilt: Left and right. • Trendelenburg and reverse 100rendelenburg. • Flex and reflex position. • Top sliding.			
3	**Must have the following features:** Degree of Trendelenburg: +/- 25 degrees. Degree of lateral tilt: +/- 20 degrees. Degree of Back section movement: +/- 70			

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	degrees. Degree of head section movement: +/- 60 degrees. Degree of leg section movement: 0 degrees to 90 degrees.		
4	Should have central floor locking mechanism.		
5	There should be a top sliding movement of 5" forward and 5" backwards.		
6	The Operation table should have a sliding top.		
7	Should come with a detachable: head, leg and pelvic section.		
8	Should have inbuilt kidney bridge.		
9	Should come with standard battery backup with recharging unit.		
10	Table should constitute of SMPS based control box.		
11	Table should come with a remote control with spiral cable and LED backlit switch.		
12	Table should come with a zero position setup.		
	Terms and Conditions		
1	Warranty period: 1 year from the date of installation.		
2	Must submit ISO and CE approved certificate		
2	During the warranty period supplier must ensure planned preventive maintenance along with corrective/ breakdown maintenance whenever required.		

Technical Specifications of OT light

S.N.	Descriptions	Bidders offer	Page no in catalogue	Remarks
1	**OT light Specification**			
	Manufacturer			
	Model			
	Brand			
	Country Of Origin-			
2	OT light is equipment intended to be used in operation theater to illuminate surgical field for easy and precise			

	surgery.			
2.1	Must be adjustable double dome			
2.2	Should have easily sterilize able handle			
2.3	Should have fire resistant scratch proof ESG glass which can be easily disinfected			
2.4	Glass should have UV and IR protection features			
2.5	Should have design for heat ventilation			
3	**Technical Specifications**			
3.1	Light intensity should be 1,50,000 and 1,50,000 Lux			
3.3	Size of field should be 12-30 centimeter			
3.4	Adjustable focus			
3.5	Number of LED in each dome must be at least 45 in number			
3.6	Brightness should be controlled by touch panel			
3.7	LED life must be more than 50000 hours			
3.8	Color temperature should be 4000-5000 K			
3.9	Power supply 220V/50HZ			
9	**Certifications-**			
9.1	ISO,CE or USFDA			
10	**Training-**			
10.1	Onsite Training Must Provide			
10.2	waranty-2 years			

TECHNICAL SPECIFICATION OF ELECTRO SURGICAL MACHINE

S.No.	Purchaser's Specification		Bidder's offer	Page in catalogue	Remarks
	Electro Surgical Machine				
	Manufacturer				
	Brand				
	Model Number				
	Country of Origin				
	Technical Specification				
1	It is instrument intended to generate elecctro surgical impulse and cut tissues during				

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	surgeries			
2	Should have body protection and cardiac protection features			
3	3 modes of coagulation spray, fulgurate and desiccate.			
4	Should have 4 modes in cut pure cut, endo cut , blend 1 and blend two along with separate monopolar and bipolar switch on foot paddle			
5	During bipolar mode all monopolar mode should be automatically shut to prevent fire injury.			
6	Cut modes should have following limit Pure cut upto 400 Blend 1 upto 250 Blend 2 upto 200 Endocut upto 99 .			
7	Coagulation modes should have following limits Spray upto 120 Fulgurate upto 120 Desiccate upto 120			
8	Must have upto 20 programs set to be set by user			
9	Should have power upto 90 watts			
	Terms and Conditions			
1	All standard accessories along with machine should be supplied			
2	Must submit factory issued warranty letter of 2 years			
3	Must be suitable to operate at purchasers environmental conidtions			
4	Power supply 230±10 V and 50 HZ AC supply			
5	Must submit the ISO & CE Certificate			

Technical specifications of Anesthesia Machine

S.N.	Purchaser's Specifications	Bidder's offer	Pg. no in catalogue
	Anesthesia Machine		
	Manufacturer		
	Brand		
	Type /Model		
	Country Of Origin		
	Description of Function		
	Machine intended to be used for administering general anesthesia to patient for propose of various surgeries		
1	**Technical Specification**		
1.1	Dimension of machine should be 135cm X 100cm X 80 cm Max for sleek design requiring less space		
1.2	Max weight of machine should not be above 120 kg for easy mobility.		
1.3	Should have minimum 10 inch TFT display		
1.4	Should have minimum 30 minutes of battery backup		
2	**Ventilator requirements**		
2.1	Should be pneumatically driven electronically controlled closed, semi open and open		
2.2	Ventilator parameters Tidal volume range: 20-1500 ml Respiratory rate: 1-100 bpm Pressure control range: 5-70 hPa Trigger sensitivity: flow 1-30 L/min and pressure -10 to 10 cm H_2O SIMV rate: 1-20 bpm I:E ration: 8:1 to 1:10 Inspiratory time 0-2 s PEEP: 0-20 cm H_2O		

3	**GAS system requirement**		
3.1	Flow meter: 0_2 0.1-10 l/min, N_2O 0.1-10 l/min, Air 0.1-10 l/min		
3.2	Fresh Gas flow: 0-10 L/min		
3.3	Gas supply: O_2, N_2O and air		
3.4	Anesthesia gas: Double vaporizer		
3.5	Vaporizer concentration: 0-5%		
3.6	Absorber volume: 1.5 L		
4	**Monitoring parameters**		
4.1	Should have Minute volume, Tidal volume, breathing frequency, peak pressure, PEEP, spontaneous inspiratory rate, airway resistance, oxygen concentration, lung compliance and power supply monitoring facility		
5	**Alarm system**		
5.1	Should have audio and visual alarm for tidal volume, airway pressure, oxygen concentration, power failure, asphyxia and oxygen failure		
6	**Accessories**		
6.1	Should have following accessories: • Vaporizer series • Electronic flow sensor • Medical oxygen sensor • Breathing circuit tube		
7	Should work at 220-240 V power supply at 50 HZ		
8	**Certifications**		
8.1	Should be ISO certified		
8.2	Should be CE or US FDA certified		
9	**Manuals and others**		

9.1	Manual must be in English		
9.2	Should have warrant y of 2 years and guarantee of spare parts availability for next 10 years		
9.3	Should be installed by trained factory personals.		
9.4	Should provide certificate of calibration from factory		
9.5	Should provide maintenance and after sales service within 24 hours of complain		

Technical Specification of Portable DR System(DR Machine Mobile 500mA)

S. No.	Technical specification	Compliance (Yes/No	Deviation (if any)	Remarks
	Portable DR System			
	Manufacturer:			
	Brand:			
	Type/ Model :			
	Country of Origin:			
1.	**Description of Function**			
1.1	This unit is high frequency combined digital X-ray radiography medical diagnostic equipment, it is used in radiography department, orthopedics, wards, emergency room, operation room, ICU, etc.			
2.	**Operational Requirements**			
2.1	The requirement of mobile X-ray is investigating in radiography department, orthopedics, wards, emergency room, operation room, ICU department patient parts of body such as head, limbs, chest, spine, lumber, stomach.			
3.	**System Configuration**			
3.1	High quality combined high frequency high voltage generator			
3.2	Potable flat panel Detector			
3.3	High quality IPC			
3.4	Large size medical LCD display			
3.5	New type mobile column rack			

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3.6	Rotatable collimator with lamp			
3.7	Motorized assistance drive system			
3.8	Cable exposure hand brake			
4	**TECHNICAL REQUIREMENTS**			
	System should be an integrated system with following			
4.1	**Machine characteristics:**			
	It should have Large-size embedded human body graphic LCD touch screen design, friendly interactive interface, intuitive, simple and efficient			
	It should have High-frequency, high-power split head, no loss, high beam quality, beautiful structure and high safety performance			
	It should have kV closed-loop control and mAs digital closed-loop control technology, microprocessor real-time control, to ensure the accuracy and repeatability of dose;			
	It should have Electric power-assisted drive system, dual-wheel drive, anti-collision protection, easy to move, natural and stable, convenient to use; at the same time, it can be switched to manual drive			
	The machine head should have electrically lifted, the column rotates, the cross arm is telescopic, and one-key unlocking is convenient for various clinical positioning operations;			
	The Mobile X-Ray come With the functions of high voltage overvoltage protection, tube current overcurrent protection, and output overload protection, it is more safe and reliable;			
	It should have a standard Dicom3.0 interface, supports Dicom film printing, Dicom file transfer, Dicom storage and other functions.			
4.2	**High Frequency High Voltage X-Ray Generator**			
	Output Power should be 50KW			
	Inverter Frequency should be 40KHz			
4.3	**X-ray source assembly**			
	Anode Target Angle should be 12 degree			

	Focus should be 0.6/1.2mm			
	Tube voltage 40~150 kv			
	Tube current should be 10mA-500mA			
	Radiography mAs should be 1mAs – 630mAs			
	Rotary anode speed should be 2800rpm			
	Tube assembly thermal capacity: 900 KJ			
4.4	**Digital Detector**			
	It should be Scintillating Cesium Iodide Medium type			
	Field should be 14'' x 17''			
	Limited spatial resolution should be 3.24Lp/mm			
	It should have 16 bits Grayscale			
	It should have 154 μm pixel.			
4.5	**It should have following** Mechanical movement			
	Distance from focus to pillar: Max:125cm; Min:75cm			
	X-ray Tube components can rotate around the telescopic boom axis: ±90º			
	Collimator rotate around vertical axis: ±90º			
	Rotation range of pillar: ±180º			
	Climbing Angles: 7°			
4.6	**Software:**			
	Registration: Register save, query, modify, remote query registration			
	Capture: Register save, query, modify, remote query registration			
	Image acquisition : Vertical mirroring, horizontal mirroring, window width and level, moving, zooming, negative image			
	Report Editing: Report writing and printing report			
	Print function: Film printing			
	Dicom functions: Dicom3.0 interface			
5	**Accessories, spare, consumables**			
	All standard accessories, consumables and spare parts required for the proper operation of the above item shall be included in the offer.			
7	**POWER SUPPLY**			
	Power supply: 220V/110V(Single-phase power supply)、50HZ±1HZ.			
8	**STANDARD AND SAFETY**			
	Should be USFDA or CE approved product with			

	certificate.			
	Must submit ISO9001 or ISO 13485: 2003/ AC:2007			
9	**Warranty**			
	Two years complete comprehensive warranty on the system.			
	The warranty starts from the day of complete satisfactory of installation of equipment.			
10	**Maintenance during Service Period**			
	During warranty period supplier must ensure planned preventive maintenance (PPM) along with corrective/ breakdown maintenance whenever required.			
11	**USER TRAINING**			
	Must provide Operational and Service training (maintenance and troubleshooting) how to operate and use the machine to the hospital staff at site.			
12	**Installation, Inspection, Commissioning**			
	Suppler must accomplish proper installation and commissioning of the equipment on site. Inspections offered equipment as per specifications will be conducted by the technical team appointed by the Hospital.			
13	**Documentation**			
	User (Operating) manual in English both printed form and CD.			
	Service (Technician /Maintenance) manual in English both printed form and CD.			
	Certificate of calibration and inspection from factory			

Technical Specification of Portable Color Doppler Ultrasound Machine

S.No.	Purchaser's Specification	Bidder's offer	Page No	Remarks

	Color Doppler Ultrasound Machine			
	Manufacturer			
	Brand			
	Type/Model			
	Country of Origin			
	Description of Functions:			
1	**Main Unit**			
	Color Doppler Ultrasound Scanner , widely used in diagnosis of abdomen, obstetrics, gynecology, cardiology, small parts(breast, thyroid, testis, etc.), musculoskeletal , peripheral vascular, urology, orthopedics and Pediatrics etc.			
2	**Technical Requirements:**			
	Imaging Modes: B Mode, B/B Mode, quad B, B/M Mode, M Mode, Color velocity/variance, Power/Directional Power, Pulse Wave Doppler, High Pulse Repeat Frequency, Tissue Harmonic Imaging , Continuous Wave Doppler , Tissue Doppler Imaging etc.			
3	System must be able to support below mentioned probes:			
	A. Convex Probe			
	B. Linear Probe			
	C. Phased Array Cardiac Probe			
	D. Endovaginal Probe			
4	Systems Should have 3 active Transducer sockets with electronic switching facility from keyboard without Probe adopter.			
5	The System should support broadband and multi frequency probes spanning a frequency of 4-15 MHz			
6	Beam formation Should be Semi-CPWG (Compound Pulse Wave Generator) beam transmission Multi processing high-speed digital beam former reception with sampling rate: Equivalent to 320 MHz and Delay precision: 1/64λ at minimum in both transmission and reception Transmission/Reception of Harmonics with broadband Harmonics by Quasi Compound Impulse and waveform Transmission at reception frequency range 3.5-16.0 MHz			
7.	Must have system dynamic range of 170 dB or more			
8.	Must have at least 149000 processing channels			
9.	The Systems Shall have following Features:			

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	Trapezoid for B image mode			
10	Steer scanning for Linear probes (B, Color/Power, PW independent)			
11	B mode zoom should be upto 6 times and read zoom should be upto 16 times Should be able to scan upto depth of 30cm			
12	M mode should have moving bar sweep method			
13	Spectral Doppler should have power spectrum display PW, HPRF, CW Doppler methods should be available			
14	Spatial Compounding Imaging			
15	Tissue Specific Imaging			
16	Extended Field of View Imaging			
17	Speckle reduction imaging			
18	Tissue Harmonic Imaging			
19	Zoom function with picture in picture indication on both frozen and live images			
20	Zoom for one key image enlarged to full screen			
21.	System shall be incorporated with English Operation Menu and Reporting.			
22.	System should be capable of scanning depth up to 30 cm or more.			
23	System should have thumbnail view facility for up to 36 images			
24	System should have function of one button optimization for 2D image, including overall gain, contrast and TGC			
25	System should have a dynamic range of minimum 170 dB.			
26	System should be Boot-up from complete shut-down in less than 30 sec, one key to enlarge image to full screen should be available			
27	System should have a Full sized Alphanumeric Key board with Track ball and Backlit Keys.			
28	System should have specific annotation and body markers.			
29	System should have Inbuilt Hard Disk with capacity of 200 GB			
30	A complete range of measurement and calculation packages for general and specific application, including abdomen, obstetrics, gynecology, cardiology, small parts, vascular, urology, and Pediatrics. Support user defined measurement item and obstetric formula.			

31	Obstetric Analysis: Gestational Sac, Crown Rump Length, Nuchal Translucency, BPD (Biparietal Diameter), HC (Head Circumference), AC (Abdominal Circumference), FL (Femur Length), F-Kidney(Fetal Kidney Length), HrtC (Heart Circumference), TCD (Cerebellum Diameter), Matrix Kidney Lenght, Cist Magna, GA (Estimate of Gestation age), Fetal weight,Heart Rate ,4 fetus measurement should be available.			
32	System should have Video, VGA, USB and Audio output with provision for storage of Images and Transfer to External Devices.			
33	System should comes with USB ports, Ethernet port and should direct connectivity to Laser/Thermal Printer for Printing Images and Reports.			
34	**Following Transducer should be available with the Unit:**			
i	Curved Array Transducer with 2.5-5.7 MHz for General Abdominal, OB/GYN, Pediatric, Vascular & Urology Applications.			
ii	Linear Array Transducer with 5.0-13.0 MHz for Small Organ, Vascular, Orthopedics, Musculo-skeletal, Nerve, Pediatric Applications.			
iii	Phased Array Transducer with 2.1-3.5 MHz for Cardiac			
35	The Unit and Transducer should be covered with comprehensive onsite warranty for One Year commencing from the date of issue of Installation certificate			
36	System should be CE (93/42 EEC Directives), ISO 9001/13485 and US-FDA approved product with certificates.			
37	Electrical safety conforms to standards for Electrical Safety IEC 60601-2-37 Medical Electrical Equipments - Part 2-37: Particular requirements for the basic safety and essential performance of ultrasonic medical diagnostic and monitoring equipment.			
38	**Power Supply:**			
39	Voltage: 220 ~ 240 V, Frequency: 50/60Hz			
40	Onsite maintenance training to the Hospital's Technicians and Clinical training or Operating Training to Users			

Technical Specification of Fully Automated Bio-Chemistry Analyzer

S.N.	Purchaser's Technical Specifications	Bidder Compliance Sheet

प्रदेश सरकार सामाजिक विकास मन्त्रालय प्रदेश नं. २ निर्देशक

	Fully Automated Bio-chemistry Analyzer	Yes / NO	Page no in Catalogue	Remarks
	Manufacturer:			
	Brand:			
	Type / Model:			
	Country of Origin:			
1.	**Description of Function**			
1.1	For analysis of serum, plasma, urine.			
2.	**Operational Requirements**			
2.1	Must be fully computerized with random access, selective multi-batch type, providing maximum flexibility in programming			
2.2	Must be capable of undertaking upto 200 tests/hr involving fixed time, end point and kinetic chemistry separately.			
3.	**System Configuration**			
3.1	Fully Automated Bio-Chemistry Analyzer with computer and all complete accessories			
4.	**Technical Specifications**			
4.1	Optical Requirement: • Wavelength Range: No less than 8 wavelengths. • Absorbance: 0.000 to 4.0Abs • Source of light: Halogen lamp			
4.2	Reagent Handling System: • Pre and Post dilution: Automatic • Aspiration volume: Minimum reagent consumption volume no more than 100-250uL and step by no more than 0.5 uL. • Reagent Cooling 2-8^{0}C • Reagent Positions: No less than 40 • Reagent probe: Liquid level detection and vertical collision. • Probe cleaning: Automatic internal and external washing.			
4.3	Analytical Requirements: • Sample position: not less than 40 positions for samples • Sample aspiration volume: sampling volume 2-45 uL and step by no more than 0.1 ul. • Reaction volume: no more than 100-360 ul.			

	• Sample probe: Liquid level detection and vertical collision. • Probe cleaning: Automatic internal and external washing. • Cuvette loading: No less than 40 position disposable cuvette loading. • Heating for Reaction Disk: No water or special agent needed. • Water consumption should be ≤ 2L/H • Mixer: Should have mixing bar • Incubation Temp: 37ºC preferably with variable temperature options • Cuvette Temp: 37ºC +0.1ºC • Internal reagent and sample barcode reader. • Quality control: Daily and monthly QC, S.D. • Calculated and precision check facility • System should have re-run function			
4.4	PC: Intel Pentium 4th generation dual core processor, windows based operating system, minimum widows 7, Hard disk minimum 500GB ,7200 RPM ,SATA drive with DVD drive, flat screen LCD monitor minimum size 17'', connectivity LAN, USB.			
4.5	Software: Patient oriented, user friendly and test oriented.			
5.	**Accessories, spares and consumables**			
5.1	All necessary accessories to run machine			
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6.	**Operating Environment**			
6.1	The system offered shall be designed to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220 – 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metre in length.			
7.	**Standards and Safety Requirements**			

7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.2	CE (98/79/EC directives) approved certificate.			
7.3	Shall meet IEC 61010-2-081safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes.			
8.	**User Training**			
	Must provide user training (including how to use and maintain the equipment).			
9.	**Warranty**			
9.1	Comprehensive warranty for 1 years from acceptance.			
10.	**Maintenance Service During Warranty Period**			
10.1	During the warranty period supplier must ensure planned preventive maintenance (PPM) and corrective/breakdown maintenance whenever required.			
11.	**Installation and Commissioning**			
11.1	Supplier must accomplish proper installation and commissioning of the equipment on site.			
12.	**Documentation**			
12.1	User (Operating) manual in English.			
12.2	Service (Technical / Maintenance) manual in English.			
12.3	Certificate of calibration and inspection from factory.			

Technical Specification of 5 – Diff Auto Hematology Analyzer

S.N.	Purchaser's Technical Specifications	Bidder's Compliance Sheet		
	5– Diff Auto Hematology Analyzer	**Yes / No**	**Page no in Catalogue**	**Remarks**
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1.	**Description of Function**			
1.1	Automated hematology analyzer or complete blood cell			

	counter is used to count various types of blood cells in the blood.			
2.	**Operational Requirements**			
2.1	Fully automated 5 parts differential hematology analyzer.			
3.	**System Configuration**			
3.1	Fully Automated Hematology Analyzer, complete unit with all standard reagents, consumables and accessories.			
4.	**Technical Specifications**			
4.1	The instrument shall have random access discrete analysis modes for CBC.			
4.2	The instrument shall have facility to report 21 parameters including P-LCC and P-LCR parameters.			
4.3	The instrument shall have large Touch screen LCD display.			
4.4	Shall have: • WBC Scattergram • RBC and PLT histograms.			
4.5	The instrument must have throughput upto 70 tests/hour for CBC.			
4.6	The sample aspiration volume for the complete differential blood count must not be more than 10 µl for whole blood.			
4.7	Principle of working: Impedance method for RBC and PLT counting.			
4.8	It shall have Whole blood mode and Predilute mode (capillary blood).			
4.9	Should have better resolution.			
4.10	Linearity Range WBC: 0-200*10^9/L RBC: 0-8*10^12/L HGB: 0-280 g/L PLT: 0-4000*10^9/L			
4.11	It shall have flagging system for various parameters and results.			
4.12	Various sensors must check the condition of the instrument, if any abnormality is detected, an error message be displayed so that occurrence of trouble is prevented.			
4.13	It must have thermal printer and shall support LIS.			
4.14	Quality assurance system with calibrators & controls.			
4.1	It must have Bar code reader for reagent and sample			

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5	reading.			
4.16	The analyzer must store at least 500,000 results with graphics and data.			
4.17	Shall have built-in USB2.0 or equivalent, for allowing data transfer.			
5.	**Accessories, spares and consumables**			
5.1	Reagents & consumables, to be supplied for installation.			
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6.	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220-240VAC, 50Hz fitted with appropriate plug type D (3 pins). The power cable must be minimum 3 meter long.			
7.	**Standards and Safety Requirements**			
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
7.2	CE (93/42 EEC Directives) approved certificates.			
7.3	Shall meet IEC 61010-2-081safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes.			
8.	**User Training**			
	Must provide user training (including how to use and maintain the equipment).			
9.	**Warranty**			
9.1	Comprehensive warranty for 1 year after acceptance.			
10.	**Maintenance Service During Warranty Period**			
10.1	During the warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required.			
11.	**Installation and Commissioning**			

11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
12.	**Documentation**			
12.1	User (Operating) manual in English.			
12.2	Service (Technical / Maintenance) manual in English.			
12.3	Certificate of calibration and inspection from factory.			

Technical Specification of Electrolyte Analyzer

S.N.	Purchaser's Technical Specifications	Bidder's Compliance Sheet		
	Electrolyte Analyzer	**Yes / No**	**Page no in Catalogue**	**Remarks**
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1.	**Description of System**			
1.1	Must be ISE technology.			
2.	**Description of Function**			
2.1	An Electrolyte analyzer cable of measuring electrolytes in Serum, Plasma, Urine.			
3.	**Technical Specifications**			

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3.1	Calibration: Must be two point calibration, one point calibration. Display:Large LCD display of at least 7" with touch screen. Sample Volume : Approx.100ul Sample Type : Serum, Plasma, Urine Measured Parameters: Na, K, Cl, which should come in single cartridge. Analysis Time: Approx. 60 seconds after sample aspiration. Quality Control: Tri Level quality control. Standby mode: Standby mode without consumption of Reagents and also switch off mode Data Storage : Up to 1,000 sample data storage Interface : Shall have USB, Printer : Inbuilt thermal printer Reagent Pack: Convenient reagent pack for all parameters. Can add Ca and pH later when required. Can be upgraded with autoloader when required.			
4.	**Accessories, spares and consumables**			
4.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
5.	**Operating Environment**			
5.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
5.2	Power supply: 220-240VAC, 50Hz fitted with appropriate plug type D (3 pins). The power cable must be minimum 3 meters long.			
6.	**Standards and Safety Requirements**			
6.1	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**			
6.2	CE approved product Certificate.			
6.3	Shall meet IEC 61010-2-081safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes.			
7.	**User Training and Technician Training**			
7.1	The Supplier shall conduct onsite user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by User.			

8.	**Warranty**			
8.1	Comprehensive warranty for 1 year after acceptance.			
9.	**Maintenance Service During Warranty Period**			
9.1	During the warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required.			
10.	**Installation and Commissioning**			
10.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
11.	**Documentation**			
11.1	User (Operating) manual in English.			
11.2	Service (Technical / Maintenance) manual in English.			
11.3	Certificate of calibration and inspection from factory.			

Technical Specification of Binocular Microscope

S.N.	Purchasers Technical Specification	Bidder's Compliance Sheet		
	Binocular Microscope	**Yes / No**	**Page no in Catalogue**	**Remarks**
	Manufacturer			
	Brand			
	Model			
	Country of Origin			
1	**Description of Function** A Microscope fitted with double eyepieces for vision with both eyes is a Binocular Microscope. Compound microscope consists of two or more than two magnifying lenses. One can view individual cells, even living ones. It has high magnification.			
2	**Operational Requirements** System complete with illumination system required.			
3	**System Configuration**			
3.1	Binocular microscope (LED) with complete accessories.			
4	**Technical Specification**			

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4.1	Complete configuration with fixed stand including - LED warm-light, 3200K - 4-position nosepiece, tilted backwards - mechanical stage 75x30, drive right and specimen holder with spring clip left - binocular tube 30°/20 - eyepieces 10x/18 Br.foc., 1x with pointer - objectives Plan-Achromat 4x, 10x, 40x and 100x Oil - condenser 0.9/ 1.25 - external power unit 100...240VAC/50...60Hz/30VA with country-specific adapters - dust cover - oiler with 5 ml immersion oil - color filter set blue, green, yellow - 6V 30W halogen lamp (spare part)			
5.	**Accessories, spares and consumables**			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6.	**Operating Environment** The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.1	Power supply: 220-240V/ 50 Hz AC Single phase fitted with appropriate plug to meet purchaser's country requirements. The power cable must be minimum 3 meters long.			
7	**Certification**			
7.1	Must submit ISO 13485:2003/AC:2007 for Medical Devices AND			
7.2	CE approved product certificate.			
8	**User Training**			
8.1	The Supplier shall conduct onsite user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.			

9	**Warranty**			
9.1	Comprehensive warranty for 1 years after acceptance.			
10	**Maintenance Service During Warranty Period**			
10.1	During the warranty period supplier must ensure planned preventive maintenance (PPM) along with corrective/breakdown maintenance whenever required.			
11	**Installation and Commissioning**			
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
12	**Documentation**			
12.1	User (Operating) manual in English.			
12.2	Service (Technical / Maintenance) manual in English.			
12.3	List of important spare parts and accessories with their part number and costing.			
12.4	Certificate of calibration and inspection from factory.			

Technical Specification of Table Top Centrifuge (12 Tube)

S.N.	Technical Specifications		Bidders Compliance Sheet		
	Digital Centrifuge		**Yes/ No**	**Page no in Catalogue**	**Remarks**
	Manufacturer				
	Brand				
	Model				
	Country of Origin				
1	**Description of Function**				
1.1	Compact centrifuge for quick and easy centrifugation of samples.				
2	**System Configuration**				
2.1	Microprocessor based control system.				
3	**Technical Specification**				
3.1	Max. RPM :	3000 -5000 RPM			
3.2	Max. capacity:	15ml x 24 tubes			
3.3	Digital Display:	Time, RPM, RCF, ACC, DEC,			

		Proram,Start/Stop			
3.4	Timer:	0-99 Mins			
3.5	Shall have air cooling system				
3.6	Shall have AC Motor Drive system				
3.7	Shall have over spped protector, unbalance detector				
3.8	Shall have emergency lid lock releage system				
4	**Accessories, spares andconsumables**				
4.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).				
5	**OperatingEnvironment**				
5.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.				
5.2	Power supply: 220-240V/ 50 Hz AC Single phase fitted with appropriate plug to meet purchaser's country requirements. The power cable must be minimum 3 meters long.				
6.	**Standards and Safety Requirements**				
6.1	Must submit ISO 13485:2003/AC:2007 for Medical Devices **AND**				
6.2	CE approved product certificate.				
7.	**User Training**				
7.1	The Supplier shall conduct onsite user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.				
8.	**Warranty**				
8.1	Comprehensive warranty for 2 years after acceptance.				
8.2	During the warranty period supplier must ensure planned preventive maintenance (PPM) and corrective/breakdown maintenance whenever required.				
9.	**Maintenance Service During Warranty Period**				
9.1	During the warranty period supplier must ensure planned preventive maintenance (PPM) along with				

	corrective/breakdown maintenance whenever required.			
10	**Installation and Commissioning**			
10.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
11	**Documentation**			
11.1	User (Operating) manual in English.			
11.2	Service (Technical / Maintenance) manual in English.			
11.3	Certificate of calibration and inspection from factory.			

Technical Specification of Lab Water Bath

S.N.	Purchasers Technical Specification	Bidder's Compliance Sheet		
	Lab Water Bath	**Yes/No**	**Page no in Catalogue**	**Remarks**
	Manufacturer:			
	Brand:			
	Model:			
	Country of Origin :			
1.	**Description of Function**			
	Water bath is laboratory equipment made from a container filled with heated water. It is used to incubate samples in water at a constant temperature over a long period of time.			
2.	**Operational Requirements** Seamless stainless steel tank with round corner.			
3.	**System Configuration** Uniform temperature in all sections of tank.			
	Technical Specifications			
4.	Type : Mechanical Convection			
	Temp. Range : +5 ℃ to 99 ℃			
	Capacity: Approx. 15 Litres			
	Temperature Accuracy: ± 0.5 ℃			
	Temp. Control: Micro controller based program			
	Display: LED or LCD Display			
	Material (interior): Stainless Steel			

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5.	**Accessories, spares and consumables**			
	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6.	**Operating Environment** The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
	Power supply: 220-240V/ 50 Hz AC Single phase fitted with appropriate plug to meet purchaser's country requirements. The power cable must be minimum 3 meters long.			
7.	**Certification**			
	Must submit ISO 13485:2003/AC:2007 for Medical Devices **AND**			
	CE approved product certificate			
8.	**User Training**			
	The Supplier shall conduct onsite user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.			
9.	**Warranty**			
	Comprehensive warranty for 2 years after acceptance.			
10.	**Maintenance Service During Warranty Period**			
	During the warranty period supplier must ensure planned preventive maintenance (PPM) along with corrective/breakdown maintenance whenever required.			
11.	**Installation and Commissioning**			
	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
12.	**Documentation**			
	User (Operating) manual in English.			
	Service (Technical / Maintenance) manual in English.			

Freezer (180-200 litres)

S.N.	Purchaser's Specifications	
	Freezer (180-200 litres)	
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
1	**Description of Function**	
1.1	Freezer for vaccine storage.	
2	**Operational Requirements**	
2.1	Freezer, CFC free, 180-200 litres capacity.	
3	**System Configuration**	
3.1	Freezer, CFC free, 180-200 litres capacity.	
4	**Technical Specifications**	
4.1	Gross volume: 180-200 litres.	
4.2	Storage capacity: 270 litres approx.	
4.3	Icepack freezing capacity: 7.2 kg of icepacks per 24 hours at +43°C.	
4.4	Holdover time 4.0 hours at external temperature of 43°C.	
4.5	Temperature control: Vaccine load remains below -15°C at +43°C ambient temperature. While freezing icepacks, the temperature of the full load of vaccines remains below -5°C and returns to below -15°C within the 24 hour freezing cycle.	
4.6	Keys for lockable lid.	
4.7	Built-in external thermometer display.	
4.8	3 wire baskets	
5	**Accessories, spares and consumables**	
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).	
6	**Operating Environment**	
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.	
6.2	Power supply: 220-240VAC single phase, 50Hz fitted with appropriate plug. The power cable must be minimum 3 metres long.	
6.3	Voltage stabilizer of appropriate rating with minimum of 5 minutes cut-in delay.	
7	**Standards and Safety Requirements**	
7.1	This unit shall be certified to meet ISO9001 or ISO 13485:2003/AC: 2007.	
8	**User Training**	
8.1	Must provide user training (including how to use and maintain the equipment).	

S.N.	Purchaser's Specifications
9	**Warranty**
9.1	Comprehensive warranty for 1 year after acceptance.
10	**Maintenance Service During Warranty Period**
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.
11	**Installation and Commissioning**
11.1	Supplier must accomplish proper installation & commissioning of the equipment on site.
12	**Documentation**
12.1	User (Operating) manual in English
12.2	Service (Technical / Maintenance) manual in English
12.3	List of important spare parts and accessories with their part numbers and costing.

Technical Specification of Semi - automatic coagulation analyzer

S.N.	Purchaser's Technical Specifications	Bidder's Compliance Sheet		
	Semi-Automatic Coagulation Analyzer	**Yes / No**	**Page no in Catalogue**	**Remarks**
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1.	**Description of Function**			
1.1	A Semi-automatic blood coagulation analyzer.			
2.	**Operational Requirements**			
2.1	Semi-automated coagulation analyser, chromogenic and immune turbidimetry assay with magnetic channels.			
3.	**System Configuration**			
3.1	Semi-automated coagulation analyzer, double magnetic circuit mechanical method. Insensitive for icteric, lipemic and hemolysis sample.			
4.	**Technical Specifications**			
4.1	The instrument shall use double magnetic circuit mechanical method coagulation principle. Measuring accuracy should be ±3%			

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4.2	The instrument shall have facility to run test : PT: Prothrombin Time APTT: Activated Partial Thromboplastin TimeFIB: Fibrinogen TT: Thrombin TimeProC: Protein C ProS: Protein S High Molecular Weight Haperin and Low Molecular Weight Heparin Lupus Anticoagulant Thrombin factor: (Ⅱ Ⅲ Ⅶ Ⅷ Ⅸ Ⅹ Ⅺ Ⅻ) estimation			
4.3	The Sample volume used should not be more than 50 ul -200ul			
4.4	The Reagent volume used should not be more than 50ul-100ul			
4.5	The analyzer should have no less than 16 incubating channels			
4.6	The analyzer should have no less than 4 test channels			
4.7	The analyzer should have no less than 5 Reagent station			
4.8	The analyzer must have Pipetter with automatic and electronic start.			
4.9	The analyzer should have built in printer.			
4.10	Quality assurance system with calibrators & controls.			
5.	**Accessories, spares and consumables**			
5.1	Shall provide installation kit.			
5.2	All standard accessories, consumables and parts required to operate theequipment, including all standard tools to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6.	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operatenormally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220-240VAC, 50Hz fitted with appropriate plug type D (3 pins). The power cable must be minimum 1 meters long.			
7.	**Standards and Safety Requirements**			
7.1	Must submit ISO Certificate			
7.2	CE (98/79/EC directives) approved certificate.			
7.3	Shall meet IEC 61010-2-081safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes.			
8.	**User Training**			

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	Must provide user training (including how to use and maintain the equipment).			
9.	**Warranty**			
9.1	Comprehensive warranty for 2 years after acceptance.			
10.	**Maintenance Service During Warranty Period**			
10.1	During the warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required.			
11.	**Installation and Commissioning**			
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
12.	**Documentation**			
12.1	User (Operating) manual in English.			
12.2	Service (Technical / Maintenance) manual in English.			
12.3	Certificate of calibration and inspection from factory.			

Technical Specification of Hemoglobinometer

S.N.	**Purchaser's Technical Specifications**	**Bidder's Compliance Sheet**		
	Hemoglobinometer	**Yes / No**	**Page no in Catalogue**	**Remarks**
	Manufacturer			
1	**Brand**			
2	**Type / Model**			
3	**Country of Origin**			
4.	**Technical Specifications**			
4.1	Display: 3- Digit, &- Segment			
4.2	Soft touch membrane type key pad			
4.3	It shall have automatic zero setting			
4.4	Sample volume shall be 1 ml			
5.	**Accessories, spares and consumables**			
5.1	Shall provide installation kit.			

5.2	All standard accessories, consumables and parts required to operate theequipment, including all standard tools to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6.	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operatenormally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220-240VAC, 50Hz fitted with appropriate plug type D (3 pins). The power cable must be minimum 1 meters long.			
7.	**Standards and Safety Requirements**			
7.1	Must submit ISO Certificate			
7.2	CE (98/79/EC directives) approved certificate.			
7.3	Shall meet IEC 61010-2-081safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes.			
8.	**User Training**			
	Must provide user training (including how to use and maintain the equipment).			
9.	**Warranty**			
9.1	Comprehensive warranty for 2 years after acceptance.			
10.	**Maintenance Service During Warranty Period**			
10.1	During the warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required.			
11.	**Installation and Commissioning**			
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
12.	**Documentation**			
12.1	User (Operating) manual in English.			
12.2	Service (Technical / Maintenance) manual in English.			
12.3	Certificate of calibration and inspection from factory.			

Automatic ESR Analyser

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S.N.	Purchaser's Specifications
	Automatic ESR Analyser
	Manufacturer
	Brand
	Type / Model
	Country of Origin
1	**Description of Function**
1.1	ESR (Erythrocyte Sedimentation Rate) is a nonspecific screening test for various diseases. This one hour test measures the distance (in millimetres) that red blood cells settle in un-clotted blood toward the bottom of a specially marked test tube.
2	**Operational Requirements**
2.1	Automated ESR with inbuilt mixing, and printing of results. Westergreen principle for analysis is required.
3	**System Configuration**
3.1	Automatic ESR Analyser with complete accessories.
4	**Technical Specifications**
4.1	Throughput shall be greater than 100 samples per hour.
4.2	Analysis shall take less than 25 minutes.
4.3	Facility for temperature correction at 18℃.
4.4	Have infrared sensor for analysis.
4.5	Sample volume must be less than 1 ml.
4.6	Must be compatible with standard anticoagulants for ESR.
4.7	The ESR-Analyser must incorporate a quality control system for monitoring the laboratory's quality control program and data can be downloaded to a Laboratory Information System.
4.8	Compatible/Integrated Mixer and printer.
4.9	Compatible Barcode scanner.
4.10	RS 232 C interface for communications with networked devices.
4.11	Reading Temperature: 37ºC.
4.12	Safety Features (Blood Sample): Closed Cycle no touch with blood sample.
4.13	Waste collection: Safety tank at the end of cycle.
5	**Accessories, spares and consumables**
5.1	**Accessories:** • Compatible Barcode Scanner – 01 no. • Vacuum Tubes-1.2 ml(box of 100) – 100 boxes • Printer paper – 10 packs
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).
6	**Operating Environment**
6.1	The product offered shall be designed to be stored and to operate normally under the

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	conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.
6.2	Power supply: 220-240VAC, 50Hz fitted with appropriate plug type D (3 pins). The power cable must be minimum 3 meters long.
6.3	Suitable UPS with maintenance free batteries, voltage regulation and spike protection for minimum 30 min. back-up shall be supplied with the system.
7	**Standards and Safety Requirements**
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.
7.3	Shall meet IEC 61010-1 safety requirements for electrical equipment for measurement, control, and laboratory use.
7.4	Sample Reading: As per compliance with ICSH (International Committee for the Standardization of Haematology).
8	**User Training**
8.1	Must provide user training (including how to use and maintain the equipment).
9	**Warranty**
9.1	Comprehensive warranty for 2 years after acceptance.
10	**Maintenance Service During Warranty Period**
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.
11	**Installation and Commissioning**
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.
12	**Documentation**
12.1	User (Operating) manual in English.
12.2	Service (Technical / Maintenance) manual in English.
12.3	List of important spare parts and accessories with their part numbers and costing.
12.4	Certificate of calibration and inspection from factory.

Technical Specification of Automated Autoclave

S.N.	Purchasers Technical Specification	Bidder's Compliance Sheet		
	Automated Autoclave machine	**Yes / No**	**Page no in Catalogue**	**Remarks**
	Manufacturer			
	Brand			
	Model			
	Country of Origin			

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1.	**Description of Function**			
1.1	Autoclaves are required for sterilizing an object in high temperature and high pressure steam. Easy and plain maintenance and one touch setting temp.			
2.	**Operational Requirement**			
2.1	Electrically heated vertical steam sterilizer.			
3.	**System Configuration**			
3.1	Autoclave with complete accessories.			
4.	**Technical Specifications**			
4.1	Capacity: Minimum 50Ltr			
4.2	Made of stainless steel			
4.3	Temperature range: Ambient to 130°C			
4.4	Sterilization temp: 105°C - 135°C			
4.5	Temperature Controller: Digital PID controller.			
4.6	Temperature accuracy: ±0.5°C			
4.7	Timer: Electronic Type, 99Hr 59Min			
4.8	Heater: 2-4KW			
4.9	Design Pressure :0.26MPa			
4.10	Operating Pressure : 0.23MPa			
4.11	Air Exhaust: Adjustable valve			
4.12	Safety Device: Over heat protector, over pressure protector			
4.13	Monitoring Unit: Audio & visible			
5.	**Accessories, spares and consumables**			
5.1	Stainless Wire basket: Min. 1 pcs.			
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6.	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220-240V/ 50 Hz AC Single phase fitted with appropriate plug to meet purchaser's country requirements. The power cable must be minimum 3 meters long.			

7.	**Standards and Safety Requirements**			
7.1	Must submit ISO 13485:2003/AC:2007 for Medical Devices AND			
7.2	CE approved product certificate.			
8.	**User Training**			
8.1	The Supplier shall conduct onsite user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.			
9.	**Warranty**			
9.1	Comprehensive warranty for 1 years after acceptance.			
9.2	During the warranty period supplier must ensure planned preventive maintenance (PPM) and corrective/breakdown maintenance whenever required.			
10.	**Maintenance Service During Warranty Period**			
10.1	During the warranty period supplier must ensure planned preventive maintenance (PPM) along with corrective/breakdown maintenance whenever required.			
11.	**Installation and Commissioning**			
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
12.	**Documentation**			
12.1	User (Operating) manual in English.			
12.2	Service (Technical / Maintenance) manual in English.			
12.3	Certificate of calibration and inspection from factory.			

Technical Specification of VDRL Shakers

S.N.	**Purchasers Technical Specification**	**Bidder's Compliance Sheet**		
	VDRL or Rotatory shakers	**Yes/No**	**Page no in catalogue**	**Remarks**
	Manufacturer :			
	Brand:			
	Model:			
	Country of Origin:			
	Description of Function			
1.	A VDRL shakers is a simple device used commonly in laboratories for gentle mixing of fluids and liquids or to mix small vials of liquid. Designed for mixing liquids for samples and chemicals.			

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2.	**Operational Requirements:** A VDRL shakers with speed changeable from regulator knob provided on control panel.			
3.	**System Configuration:** Shakers with brushless induction drive motor with frequency drives			
4.	**Technical Specifications:** Shaking Movement should be orbital			
	Shaking Orbital should be at least 10 mm			
	Motor type shall be shaded pole motor			
	Digital count down timer shall be 15 minutes			
	Speed range shall be from 80 – 180 RPM			
	Run type shall be continuous or touch operation			
	Dimension: 270× 260× 150 mm			
5.	**Accessories, spares and consumables**			
	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6.	**Operating Environment:** The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
	Power supply: 220-240V/ 50 Hz AC Single phase fitted with appropriate plug to meet purchaser's country requirements. The power cable must be minimum 3 meters long.			
7	**Certification:**			
	Must submit ISO 13485:2003/AC:2007 for Medical Devices AND			
	CE approved product certificate.			
8	**User Training:**			
	The Supplier shall conduct onsite user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.			
9	**Warranty:**			
	Comprehensive warranty for 1 years after acceptance.			
10	**Maintenance Service During Warranty Period:**			
	During the warranty period supplier must ensure planned preventive maintenance (PPM) along with corrective/breakdown maintenance whenever required.			

11	**Installation and Commissioning:**			
	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
12	**Documentation:**			
	User (Operating) manual in English.			
	Service (Technical / Maintenance) manual in English.			
	Certificate of calibration and inspection from factory.			

Technical Specification of Incubator (50L)

S.N.	Purchasers Technical Specification	Bidder's Compliance Sheet		
	Incubator	**Yes / No**	**Page no in Catalogue**	**Remarks**
	Manufacturer			
	Brand			
	Model			
	Country of Origin			
1.	**Description of Function**			
1.1	General Protocol Incubator is an intuitive user interface for easy temperature setting. Used for Bacteriological Laboratory.			
2.	**Operational Requirements**			
2.1	Microprocessor controlled Incubator.			
3.	**System Configuration**			
3.1	Incubator with complete accessories.			
4.	**Technical Specifications**			
4.1	Display: With large LED display			
4.2	Capacity: Not less than 50 Liter			
4.3	Temp Controller: Microprocessor controller,			
4.4	Temp. Range: Ambient $+5^0$C to 65°C			
4.5	Temp. Accuracy: ±0.5°C at 37°C			
4.6	Internal chamber Dimension: 400(W) x 350(D) x 350(H) mm			
4.7	External chamber Dimension: 650(W) x 500 (D) x 500 (H) mm			
4.8	Door: Single door, silicone packing magnet door with tempered safety glass door			
4.9	Material: Interior Stainless steel and steel plate with powder coating outer.			
4.10	Circulation Fan: Internal convection fan			

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4.11	Shelves: 2EA, adjustable type			
4.12	Max Shelf Load : 25 kg			
4.13	Power/Max. Current: 300W/1.3[a]			
4.14	Heating Type: Shall be forced air convection			
5.	**Accessories, spares and consumables**			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6.	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220-240V/ 50 Hz AC Single phase fitted with appropriate plug to meet purchaser's country requirements. The power cable must be minimum 3 meters long.			
7.	**Standards and Safety Requirements**			
7.1	Must submit ISO 13485:2003/AC:2007 for Medical Devices AND			
7.2	CE approved product certificate.			
8.	**User Training**			
8.1	The Supplier shall conduct onsite user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.			
9.	**Warranty**			
9.1	Comprehensive warranty for 2 years after acceptance.			
10.	**Maintenance Service During Warranty Period**			
10.1	During the warranty period supplier must ensure planned preventive maintenance (PPM) along with corrective/breakdown maintenance whenever required.			
11.	**Installation and Commissioning**			
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
12.	**Documentation**			
12.1	User (Operating) manual in English.			
12.2	Service (Technical / Maintenance) manual in English.			

12.3	Certificate of calibration and inspection from factory.			

Freezer (380-400 litres)

S.N.	Purchaser's Specifications	
	Freezer (280-300 litres)	
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
1	**Description of Function**	
1.1	Freezer for vaccine storage.	
2	**Operational Requirements**	
2.2	Freezer, CFC free, 380-400 litres capacity.	
3	**System Configuration**	
3.1	Freezer, CFC free, 380-400 litres capacity.	
4	**Technical Specifications**	
4.1	Gross volume: 380-400 litres.	
4.2	Storage capacity: 370 litres approx.	
4.3	Icepack freezing capacity: 7.2 kg of icepacks per 24 hours at +43°C.	
4.4	Holdover time 4.0 hours at external temperature of 43°C.	
4.5	Temperature control: Vaccine load remains below -15°C at +43°C ambient temperature. While freezing icepacks, the temperature of the full load of vaccines remains below -5°C and returns to below -15°C within the 24 hour freezing cycle.	
4.6	Keys for lockable lid.	
4.7	Built-in external thermometer display.	
4.8	3 wire baskets	
5	**Accessories, spares and consumables**	
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).	
6	**Operating Environment**	
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.	
6.2	Power supply: 220-240VAC single phase, 50Hz fitted with appropriate plug. The power cable must be minimum 3 metres long.	
6.3	Voltage stabilizer of appropriate rating with minimum of 5 minutes cut-in delay.	

S.N.	Purchaser's Specifications
7	**Standards and Safety Requirements**
7.1	This unit shall be certified to meet ISO9001 or ISO 13485:2003/AC: 2007.
8	**User Training**
8.1	Must provide user training (including how to use and maintain the equipment).
9	**Warranty**
9.1	Comprehensive warranty for 1 year after acceptance.
10	**Maintenance Service During Warranty Period**
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.
11	**Installation and Commissioning**
11.1	Supplier must accomplish proper installation & commissioning of the equipment on site.
12	**Documentation**
12.1	User (Operating) manual in English
12.2	Service (Technical / Maintenance) manual in English
12.3	List of important spare parts and accessories with their part numbers and costing.

Technical Specification of Fully Automatic Chemiluminescence Immunoassay Analyzer (CLIA)

S.N.	Purchaser's Technical Specifications	Bidder's Compliance Sheet		
1	**Fully Automatic Chemiluminescence Immunoassay Analyzer**	**Yes/No**	**Page No. in Catalogue**	**Remarks**
2	**Manufacturer:**			
3	**Brand:**			
	Type / Model:			
	Country of Origin:			
1	**Description of Function**			
1.1	A medical diagnostic based on the highly specific interaction between an antibody and an antigen. Chemiluminescence Immunoassay analyzer is used to perform biochemical tests to detect or measure specific proteins or other substances through their properties as antigens or antibodies.			
2	**Operational Requirements**			
2.1	Fully automated, latest bench-top analyzer to perform the immunoassay's (hormones thyroid, fertility including E3 bone, special immunoassay's, cardiac markers, cancer/tumour markers, anaemic markers, infections markers) from serum, plasma and urine samples.			
3	**System Configuration**			
3.1	Fully Automatic Chemiluminescence Immunoassay Assay Analyzer, complete unit with complete accessories, reagents.			

S.N.	Purchaser's Technical Specifications	Bidder's Compliance Sheet		
4	**Technical Specifications**			
4.1	System shall be based on latest " Chemiluminescence" technology for measuring the assays with very high sensitivity and linearity. Photomultiplier (PMT) photon counter.			
4.2	System shall be discrete, fully selective random access.			
4.3	System shall have provision of emergency/STAT samples.			
4.4	On board sample capacity shall be at-least 50 or more at one time with a provision for continuous loading.			
4.5	System shall have throughput not less than 180 tests/hour.			
4.6	Shall have at least 40-50 different test parameters shall be available on board and 15 parameters must be done at one time.			
4.7	The system shall be able to show status of reagents on-board Stability.			
4.8	Flexibility to use different sample containers like primary tubes with different sizes, sample cups, for easy processing.			
4.9	Shall have the access to all samples during operation with the better system to bubble detection, clot detection, liquid level detection, horizontal and vertical collision protection.			
4.10	Sample requirement shall be minimum of about 10µl – 200µl per test.			
4.11	Compact, integrated reagent pack with all components, magnetic beads.			
4.12	System should have automatic sample dilution upto 1:40			
4.13	Reagents in ready to use form and reagent positions not less than 15 positions.			
4.14	Reagent requirement shall be mínimum of about 20µl – 200µl per test			
4.15	Substrate, stop or buffer solution requirement shall be no more than 200µl per test.			
4.16	Substrate, stop or buffer solution must be Continuous loading during testing and must be 2 positions loading.			
4.17	Reaction disk shall have no less than 75 postions.			
4.18	User friendly facility of loading and unloading of reagents during the process.			
4.19	Inbuilt refrigeration system with controlled temperature and humidity for reagent storage.			
4.20	Facility to do calibration of each parameter, samples and controls, multiple lot calibration and calibration curve auto transition facility.			
4.21	Calibration stability of at least 2-4 weeks depending upon parameters. No daily calibration shall be required by the system to save the reagents.			
4.22	Shall have at least 3 phase magnetic separation system			
4.23	System shall have vortex mixing			
4.24	Sample Rack or Disk should support no less than 50 samples			

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S.N.	Purchaser's Technical Specifications	Bidder's Compliance Sheet		
	loading at a time.			
4.25	Cuvettes shall be single pieces in a rack or disk.			
4.26	Must not require of tips for aspirating sample and reagent.			
4.27	Not less than 160 cuvettes, two trays load in one batch. Shall have disposable plastic cuvettes.			
4.28	Shall have QC package system.			
4.29	Facility of self-diagnosis and error recovery system with on board operators guide.			
4.30	Facility to customize patient report.			
4.31	System shall have bidirectional interface compatible with LIS/HIS for online computerization of patient's report and have patient data storage facilities of minimum 50,000 patients report.			
4.32	Must have facility to collect both liquid and solid waste for better disposal.			
4.33	Reagent Kit should have 50 test/bottle or 100 test/bottle.			
5	**Accessories, spares and consumables**			
5.1	Shall provide installation kit free of cost.			
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
5.3	PC: Latest compatible computer should be provided.			
6	**Operating Environment**			
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220 – 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metre in length.			
7	**Standards and Safety Requirements**			
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices.			
7.2	CE (98/79/EC directives) approved certificate.			
7.3	Shall meet IEC 61010-1 safety requirements for electrical equipment for measurement, control, and laboratory use.			
8	**User Training**			
8.1	Must provide user training (including how to use and maintain the equipment).			
9	**Warranty**			
9.1	Comprehensive warranty for 1 years after acceptance.			
10	**Maintenance Service During Warranty Period**			
10.1	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required.			

S.N.	Purchaser's Technical Specifications	Bidder's Compliance Sheet		
11	**Installation and Commissioning**			
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
12	**Documentation**			
12.1	User (Operating) manual in English.			
12.2	Service (Technical / Maintenance) manual in English.			
12.3	Certificate of calibration and inspection from factory.			

Haemodialysis Machine

S.N.	Purchaser's Specifications	Bidder's Offer	Page No. in catalogue(Submitted document)
	Haemodialysis Machine		
	Manufacturer		
	Brand		
	Type / Model		
	Country of Origin		
1	**Description of Function**		
1.1	Haemodialysis is a method for removing waste products such as potassium and urea, as well as free water from the blood when the kidneys are incapable of this (i.e. in renal failure). It is a form of renal dialysis and is therefore a renal replacement therapy.		
2	**Operational Requirements**		
2.1	Machine must have facility for Acetate and Sequential dialysis (Isolated UF).		
3	**System Configuration**		
3.1	Haemodialysis Machine, complete unit with complete accessories.		
4	**Technical Specifications**		
4.1	The system should be reliable, durable, easy to use system with the ability of monitoring: • Online KT/V • Blood pressure • Blood Volume • Blood Temperature		
4.2	The haemodialysis unit shall have an enlarged and high resolution LED touch color screen for dialysis data		

S.N.	Purchaser's Specifications	Bidder's Offer	Page No. in catalogue(Submitted document)
	display. The screen is rotatable for easy viewable.		
4.3	Shall have rechargeable battery back-up for more than 30 minutes to run extracorporeal blood circuit.		
4.4	The system should have Bicarbonate cartridge connection to optimize hygiene, cleanliness and safety		
4.5	Must have Na and UF profiling.		
4.6	The system shall be equipped with heparin pump designed for multiple syringe sizes with automated syringe size detection, self test alarm system and heparin profiling		
4.7	The system shall have air detector with dual ultrasonic and optical monitoring system for precise bubble catching, safe blood return and continuous micro-bubble detection		
4.8	The system shall have single stage endotoxin filtration for high purity HD		
4.9	The blood flow rate of the machine should be 20 to 600 mL/min with an accuracy of (+-) 10%		
4.10	Ultrafiltration rate of the machine shall be 0 – 4000mL/Hr		
4.11	Shall have improved hemoperfusion mode to reduce self test duration and consumption of water and concentrate		
4.12	Shall have facility for blood pressure monitoring function for automated and non-invasive control of blood pressure		
4.13	Dialysate temperatures selectable between 35^{o}C to 40^{o}C.		
4.14	Shall have variable conductivity setting from 12.5 to 16 mS/cm.		
4.15	Shall have variable dialysate flow 300-800 ml/min or better		
4.16	The dialysate flow resolution of the system shall be 1mL/min		
4.17	Must have facility to show trends curve of all parameter for 15-20 minutes.		
4.18	Heparin pump with syringe sizes 10- 30 ml with pump flow rate from 0-10 ml/hr. (0.1 ml increments) and injection rate 10 to 1800ml/h		
4.19	Shall have dual control system along with multiple pressure detectors, conductivity detectors, air detectors and blood leakage detectors for safety and reliability purpose.		
4.20	Treatment parameter must be displayed both by graph and		

S.N.	Purchaser's Specifications	Bidder's Offer	Page No. in catalogue(Submitted document)
	digitally.		
4.21	Must have integrated heat and chemical disinfection facility with both short and long disinfection programme with day night week schedule.		
4.22	Must have accurate feedback control conductivity mixing technique.		
4.23	Must have drain facility.		
4.24	Must have accurate UF control by flow measurement technique.		
4.25	Shall have built in device for time measurement and monitoring of effective urea clearance and dialysis dose (KT/V).		
4.26	All important data must be pre-set so that machine can be used anytime without feeding data every time.		
4.27	Shall have automatic self-test facility.		
4.28	Must have auto ON/OFF facility.		
4.29	Easy to service, trouble shoots and calibrate.		
4.30	Machine can be connected to computer to feed all data and trouble shoot whenever any problem arise.		
4.31	The NIBP range shall be 0 to 300 mmHg.		
4.32	Pulse monitoring range shall be30 to 220 BPM		
4.33	Shall have audio visual alarms on limit violation of conductivity, blood leak, air leak, trans membrane pressure alarms,, Dialysis temperature alarm, dialysis can empty alarm, end of disinfection alarm, bypass alarm and blood pump stop alarm.		
4.34	Alarm for reverse Ultra filtration shall be available.		
4.35	Shall be able to do sequential dialysis.		
4.36	Automatic self test for UF cell during treatment to ensure accurate fluid removal		
4.37	Machine shall have complete treatment history to navigate treatment parameter during the treatment		
5	**Accessories, spares and consumables**		
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).		

S.N.	Purchaser's Specifications	Bidder's Offer	Page No. in catalogue(Submitted document)
6	**Operating Environment**		
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.		
6.2	Power supply: 220 – 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metre in length.		
7	**Standards and Safety Requirements**		
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**		
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.		
7.3	Shall comply with IEC 60601-2-16 Safety requirements of Medical Electrical Equipment part2- particular requirements for the safety of Haemodialysis equipment.		
8	**User Training**		
8.1	Must provide user training (including how to use and maintain the equipment).		
9	**Warranty**		
9.1	Comprehensive warranty for 2 years after acceptance.		
10	**Maintenance Service During Warranty Period**		
10.1	During warranty period supplier must ensure corrective/breakdown maintenance whenever required.		
11	**Installation and Commissioning**		
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.		
12	**Documentation**		
12.1	User (Operating) manual in English.		
12.2	Service (Technical / Maintenance) manual in English.		
12.3	List of important spare parts and accessories with their part numbers and costing.		
12.4	Certificate of calibration and inspection from factory.		
12.5	Bidder must submit the valid authorization letter of the product		
12.6	Shall provide the list of the same unit installed in reputed Hospitals		

Steam Sterilizer, 500 litres

S.N.	Purchaser's Specifications	Bidder's Offer
	Steam Sterilizer 500 litres	
	Manufacturer	
	Brand	
	Type / Model	
	Country of Origin	
1	**Description of Function**	
1.1	**sterilizer shall be able to sterilize wrapped instruments, unwrapped instruments, linen, glassware, liquids.**	
2	**Operational Requirements**	
2.3	Microprocessor controlled horizontal electrically heated autoclave is required.	
3	**System Configuration**	
3.1	Autoclave, Horizontal, Double Door, 500 litres, with complete accessories.	
4	**Technical Specifications**	
4.1	Shall have fully automatic operation.	
4.2	The sterilizer shall be pneumatically (Compressed Air) operated, fully automatic double door, triple jacketed chamber front loading.	
4.3	The autoclave shall be designed to operate on various pre select programs such as pre-vacuum cycle, gravity cycle, porous load cycle, liquid cycle and two standard Bowie Dick test and vacuum leak cycle.	
4.4	Autoclave shall work up to 134-136 ^{o}C temperature.	
4.5	It shall come with vertical sliding door, a trolley, a carriage, a steam generator and a dedicated air compressor.	
4.6	**Construction:** • Jacket shall be constructed of heavy duty 304L grade stainless steel. • Door shall be constructed of heavy duty 304L grade stainless steel. • Chamber shall be constructed of heavy duty 316L grade stainless steel. • All the pipes and fittings are made of stainless steel and Brass.	
4.7	Chamber constructed of heavy duty 316L grade stainless steel shall have following features: • Chamber shape: Horizontal rectangular/Cylindrical design • Chamber volume: approx. 500 litres.	
4.8	Shall come with safety features such as: • Door must not open in case chamber is pressurized. • Safety valves for chamber/jacket, current overload relays and	

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S.N.	Purchaser's Specifications	Bidder's Offer
	contactors for vacuum pump. • Shall have at least two limit switches at the end of door-close position. • The door shall slide down immediately upon sensing an obstruction during closure. • Shall have thick glass wool insulation, tight wrapped with thick silver foil around jacket and door to avoid heat exposure.	
4.9	Chamber is provided with two rails for easy/smooth movement of carriage.	
4.10	On the front panel of autoclave there are different pressure gauges for depiction of actual pressure in chamber, jacket and pressure on gasket.	
4.11	It shall be high speed microprocessor control for accurate progression of sterilization cycle. Facility to save and create history log files that can be opened with the support of Microsoft based operating system. Facility to view and operate the cycle progression from remote location.	
4.12	Keypad shall be provided which is used for selecting the cycle and to adjust and feed alphanumeric data. Multiple password access levels (specify number) shall be provided to control access/operation of the machine preventing unauthorized access. These access levels shall be user selectable.	
4.13	Multi-colour LCD display for preselect program information. The information must include cycle stage, chamber temperature, chamber pressure, jacket pressure along with the information about failures and interrupts. It shall have storage capacity of approx. 200 cycles built-in memory.	
4.14	Shall come with heat condensation device that cools the condensate emitting from autoclave during the exhaust.	
4.15	Shall have steam generator made of 316L chamber to feed steam to autoclave jacket and gasket groove. Water reservoir, water sensing electrodes, pressure switches and safety valve must be part of steam generation unit. It shall come with heating element of 55-65KW made of stainless steel.	
4.16	Exhaust air filtration with condensate sterilization for emission-free sterilization of infectious pathogens, equipped with filter cartridge of 0.2 µm pore size, with easy access for replacement.	
4.17	Air compressor: Shall come with air compressor for all pneumatic operation.	
4.18	Even with a total control failure, all mechanical safety features must be left intact.	
5	**Accessories, spares and consumables**	
5.1	**Accessories:** • Spare heating element- 2 set	

S.N.	Purchaser's Specifications	Bidder's Offer
	• Spare air filters: 2 nos. • Spare door gaskets: 2 nos.	
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).	
6	**Operating Environment**	
6.1	sytem offered must be designed to store and be operated normally under the condition of the purchaser's Country. The conditions include Climate, temperature and relative humidity.	
6.2	Power supply: 380-440 V (3 Phase), 50Hz fitted with appropriate plug to meet purchaser's country requirements. The power cable must be minimum 3 metres long.	
7	**Standards and Safety Requirements**	
7.1	Must submit ISO13485:2003/AC:2007 for Medical Devices **AND**	
7.2	CE (93/42 EEC Directives) or USFDA approved product certificate.	
7.3	Shall meet IEC 61010-2-040 Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-040: Particular requirements for sterilizers and washer-disinfectors used to treat medical materials.	
8	**User Training**	
8.1	Must provide user training (including how to use and maintain the equipment).	
9	**Warranty**	
9.1	Comprehensive warranty for 2 years after acceptance.	
10	**Maintenance Service during Warranty Period**	
10.1	During warranty period supplier must ensure preventive maintenance and corrective/breakdown maintenance whenever required.	
11	**Installation and Commissioning**	
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.	
12	**Documentation**	
12.1	User (Operating) manual in English.	
12.2	Service (Technical / Maintenance) manual in English.	
12.3	List of important spare parts and accessories with their part numbers and costing.	
12.4	Certificate of calibration and inspection from factory.	

TECHNICAL SPECIFICATION of WASTE COLLECTION BINS

S.No.	Purchaser's Specification		Bidder's offer	Remarks
	Waste Collection Bins			
	Manufacturer			
	Brand			
	Model Number			
	Country of Origin			
	Technical Specification			
1	Shall be 3 beans			
2	It shall be Blue, Red & Green Colors			
3	It shall be made up of plastic			
4	Capacity shall be more than 25 ltrs			

TECHNICAL SPECIFICATION of WASTE TRANSPORT SYSTEM

S.No.	Purchaser's Specification		Bidder's offer	Remarks
	Waste Transport System			
	Manufacturer			
	Brand			
	Model Number			
	Country of Origin			
	Technical Specification			
1	It shall be wheeled Trolley			
2	It shall be container or cart type			
3	It shall be made up of metal			

TECHNICAL SPECIFICATION OF UV LAMP

S.No.	Purchaser's Specification		Bidder's offer	Remarks
	UV Lamp			
	Manufacturer			
	Brand			
	Model Number			

	Country of Origin			
	Description of function			
1	Lamp for Sterilization and purification			
2	It shall kill mites, parasites & viruses to ensure the sterilization			
3	**Technical Specification**			
3.1	It shall have power 80 W			
3.2	It shall have wavelength 254nm			
3.3	It shall be fitted in height adjustable stand			
3.4	It shall have operating temperature: -10 to 35 degree C			
3.5	Lifespan of the tubelight shall be at least 8000H			
3.6	It shall work on 100 to 120V, 50 Hz AC			
3.7	UV lamp material shall be quartz			
3.8	It shall work with wireless remote			
3.9	It shall produce ozone free UV			
3.10	Built in Microwave and PIR sensor			
3.11	Sensor detection range shall be 360 degree			
4	**Accessories, spares and consumables**			
4.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
5	**Operating Environment**			
5.1	The system offered shall be designed to operate normally under the conditions of the purchaser's country specific place. The conditions include Power Supply, Climate, Temperature, Humidity, Altitude etc.			
5.2	Power supply: 220 – 240V AC, 50Hz fitted with appropriate plug.			
6	**User Training**			
6.1	Must provide user training (including how to use and maintain the equipment).			
7	**Warranty**			
7.1	Comprehensive warranty for 2 years after acceptance.			
8	**Maintenance Service During Warranty Period**			
8.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.			
9	**Installation and Commissioning**			
9.1	The bidder must arrange for the equipment to be installed and commissioned bycertified or qualified personnel; any prerequisites for installation to becommunicated to the purchaser in advance, in detail.			

10	**Documentation**		
10.1	The bidder should compulsorily fill the technical specification tender form and clearly mention the Manufacturer, Brand, Model and Country of Origin.		
10.2	The bidder should submit the original brochure or e-copy.		
10.3	User (Operating) and Service (Technical / Maintenance) manual in English.		
10.4	List of important spare parts and accessories with their part numbers and costing.		

Technical Specification for Air Conditioner (AC), 2-Tons

S.N.	Purpose Specification	Bidder's Compliance Sheet		
		Yes / No	Page no. in Catalogue	Remarks
Air Conditioner (A.C), 2-Ton				
Name of Bidder:				
Manufacturer				
Brand				
Type / Model				
Country of Origin				
1	**Description of Function**			
1.1	An air conditioner collects hot air from a given space, processes it within itself with the help of a refrigerant and a bunch of coils and then releases cool air intothe same space where the hot air had originally been collected			
2	**Operational Requirements**			
2.1	Air conditioning refer to the technology of cooling inside places of rooms or buildings to reduce heat and make the environment more at ease.			
3	**System Configuration**			
3.1	Air conditioner, complete unit with all standard accessories.			
4	**Technical Specifications**			
4.1	Type: Wall Mounting			
4.2	Grade: Home Use/office use			
4.3	Cooling Capacity (BTU): 2Tons			
4.4	Noise Level (dBA): Approx. 33-43 dBA			

प्रदेश सरकार, सामाजिक विकास मन्त्रालय, प्रदेश नं. २, क्षेत्रीय स्वास्थ्य आपूर्ति व्यवस्थापन केन्द्र, जनकपुरधाम, धनुषा, नेपाल
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4.5	Other Features: Air Changeover, Jet Cool, Natural Wind by Chaos Swing, Sleep Mode Auto Operation, 24 Hours On/Off setting, Hot Start, Soft Dry Operation Mode.			
5	**Accessories, spares and consumables**			
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
6	**Operating Environment**			
6.1	The system offered shall be designed to operate normally under the conditions of the purchaser's country specific place. The conditions include Power Supply,Climate, Temperature, Humidity, Altitude etc.			
6.2	Power supply: 220 – 240V AC, 50Hz fitted with appropriate plug.			
8	**User Training**			
8.1	Must provide user training (including how to use and maintain the equipment).			
9	**Warranty**			
9.1	Comprehensive warranty for 2 years after acceptance.			
10	**Maintenance Service During Warranty Period**			
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.			
11	**Installation and Commissioning**			
11.1	The bidder must arrange for the equipment to be installed and commissioned bycertified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.			
12	**Documentation**			
12.1	The bidder should compulsorily fill the technical specification tender form and clearly mention the Manufacturer, Brand, Model and Country of Origin.			
12.2	The bidder should submit the original brochure or e-copy.			
12.3	User (Operating) and Service (Technical / Maintenance) manual in English.			
12.4	List of important spare parts and accessories with their part numbers and costing.			

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Technical Specification for Laundry

1. Washing Machine of Laundry

S.N	Hospital Proposed Technical Specification		Bidders proposed Technical Specification
1	Manufacturer:		
2	Country of Origin:		
3	Made In:		
4	Brand:		
5	Type/Model:		
Technical Data			
	Type	Side loading, open pocket, Electric heated.	
6	Capacity	25 kg or more per charge dry weight filling.	
7	Inner Drum capacity	Dimension 750 x 950 415 and more in ltr	
8	Speed	30 to 40 RPM	
9	Power supply	415v, 3 Phase	
	Rated Power	a. Drive Motor – 2 HP b. Electric heater load - 12-24 Kw x 3nos-2 banks (36 c. MCB for Drive -415 V, 16 Amp, TP d. MCB for heater, 415v, 32 Amp, TPN -2 Nos	
10	Water connection	Inlet Pipe Ø2 (Approx)	
11	Drain	Ø 100mm (Approx)	
12	Overflow	Ø 50mm (Approx)	
Specification			
13	Frame	Fabricated out of heavy duty M.S channels of angle.	
14	Inner Basket	a. Periphery made of S.S sheets.	
		b. Inner basket should be supported on both side with shape & bearings & bearings should be supported on the frame.	
15	Our Basket	a. Stainless Steel sliding door with handles.	
		b. Steam inlet with injection & mixing valve.	
		c. Water inlet, water level indicator,	

		temperature indicate, large size drain, overflow, through, S.S baffle bay for loading & unloading.	
16	Drive	A motor should drive the inner basket through set of multiple pulleys & 'v' belts. Necessary tightening arrangements should be provided.	
17	Electrical Control Panel	It should have contractors, controller, thermal overload relays, MCB, reversing timer, cable glands & main supply connections for controlling both drive heaters. Earthling should be provided. The operating push button indicating lamps for main supply, operating ON/OFF switches with indicating lamps & digital temp. controller.	
18	Safety Features	a. Outside basket door should be interlocked electricallu.	
		b. Overflow arrangement.	
		c. Thermal overload relays	
		d. Digital temperature controller.	
	Automatic reversiblepannel with digitaltimer and digital temp.controller		
19	Accessories	All fittings like water inlet valve, drain valve, digital temperature controller should supplied & complete installation.	
20	Civil, electrical, mechanical and all related to the installation of machine should be provided by the vendor along with all electrical wires and switches.		
Terms and Conditons			
22	ISO, CE certificates must be valid.		
23	The supplier must submit the original brochure or e-copy.		
24	Should have 1 years complete Parts and service warranty and another 1 years service warranty.		
25	The principle company should be responsible of fulfilling warranty/guarantee, incase local authorized agent is not able to achieve the same. The commitment letter of the same should be attached.		
26	Onsite repair & maintenance training and operational training to the hospital's Biomedical Engineer, biomedical technicians and Users.		
27	1 Copy of service & operating manual in English should be provided at the time of installation.		

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2. Dryer Machine for Laundry – 1 set

S.N	Hospital Proposed Technical Specification	Bidders proposed Technical Specification
1	Drying Tumbler with auto stop Timer	
2	Capacity: - 25 kg or More	
3	Type:- Font loading open pocket, electrically heated.	
4	Power Supply a) 415 V,3 phase	
5	Rated Power	
	a. Drive Motor- 2HP	
	b. Exhaust Motor-1.5 (Approx)	
	c. Electrical Heaters – 18-24 KW	
	d. Connection load -40KW (Approx)	
	e. MCB for Drive & Exhausted -415 V, 16HA, TP (Approx)	
	f. MCB for Electric Heaters- 415 V, 32A, TP-2 Nos (Approx)	
6	**Main Features**	
	a. Autotimer by digital timer with illuminated displat of lapse time	
	b. Auto Reserve system.	
7	Speed: - 45-45 RPM (Approx)	
8	**Frame:** The frame of Machine should be welded construction using of M.S Angles & Flat and should be protected with corrosion.	
9	**Inner Basket:** The inner basket should fabricate from stainless steel sheets & is of welded construction. Suitable lifters of 'U' section should be provided inside the full length of other basket for efficient tubing action & quick drying inner basket should be supported on shaft at one end which moves on bearing.	
10	**Outer Basket:** The outer basket should fabricated out of M.S. Sheets & welded on the frame, the outer body should be provided with a	

	large door for loading & unloading. The body should carry heaters battery at the top, exhaust blower, exhaust ducting & link cleaning system at the bottom. It should be insulated to minimize heat losses and should carry on operating control panel with digital temperature controller, times, push cotton, On/Off switches & indicating lamps for main supply.	
11	**Heating Element:** Suitable electrical for heaters should be provided at the top of outer basket & should be suitable for 415V, 3 phase, A.C supply	
12	**Exhaust Power:** An exhaust blower with directly mounted cast aluminum impellers should be fixed the button of the outer basket. It should promote download flow of hot air through the tumbling clothes.	
13	**Loading & unloading Door:** A cast Aluminum pressed steel door should provided in front of the outer basket. The door should have toughened glass at its centre should be locked in position with a single latch. The door should be designed for ease of loading/unloading and finished with metallic pander coating/painting.	
14	**Drive:** A motor fitted on the back of machine should drive the inner basket through the set of multiple pulleys & v-belts safety guard should provide.	
15	**Safety Features**	
	The machine should be designed for the safety of operator & machine as followings	
	a. Door should have interlocking arrangement as safety device & shouldn't be operated at door open condition.	
	b. An electrical safety interlock should be provided on the door which stops the machine in the event of door being opened while M/C is in operation.	
	c. Digital temperature controller should cut off heaters automatically at the preset temperature, ensuring correct/ economical use of heat energy.	
	d. Thermal overload relays should cut off supply to the motors in the event of any overloading.	
	e. The machine should stop automatically at the end of present time thus ensuring correct use of machine.	
16	Civil, electrical, mechanical and all related to the installation of machine should be provided y the vender along with all	

	electrical wires and switches.	
Terms and Conditions		
24	ISO, CE certificates must be valid	
25	The supplier must submit the original brochure or e-copy.	
26	Should have 1 years complete Parts and service warranty and another 1 years service warranty.	
27	The principle company should be responsible of fulfilling warranty/ guarantee, in case local authorized agent is not able to achieve the same. The commitment letter of the same should be attached.	
28	Onsite repair & maintenance training and operational training to the hospital's Biomedical Engineer, biomedical technicians and Users.	
29	1 Copy of service & operating manual in English should be provided at the time of installation.	

3. Hydro Extractor of Laundry

S.N	Hospital Proposed Technical Specification	Bidders proposed Technical Specification
1	Capacity: - 25 kg	
2	Type:- Single point suspension type.	
3	**Electrical Capacity**	
	a) 415 V,3 phase	
	b) MCB 415 V 25A TPN	
	c) Drive Motor 2HP	
4	**Inner Basket Drum**	
	a) Volume more than 50 liters (Approx)	
	b) Speed 1000 RPM	
5	**Inner Basket:**	
	a. Fabricated out of stainless steel sheet.	
	b. noiseless operation due to self-balancing suspension	
6	**Outer Basket**	
	a. It's bottom should be fabricated from M.S. plate and top cover of SS steel	
	b. Outlet Pipe should be fixed at the bottom of outer case	
7	**Outer Basket Door**	
	a. It should be provide with a hinged SS door & door support. The door should large for easy of loading & unloading lock.	
	b. Electricity interlocked with drive motor should be provide.	
8	**Electrical Control**	
	An automatic star delta/D.O.L. starter along with an MCB TPN switch both mounted on a MS angular frame suitable for floor/wall. (Approx)	
9	**Safety Measure**	
	a. Outside basket safety door should be provided with an air lock mechanism & electrically interlocked.	
	b. The brake of the motor should be electrically interlocked	

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	c. Thermal overload relay.	
17.	Must submit ISO	
18.	Must submit European CE certificate (93/42 EEC Directives)	
19.	The supplier must submit the original brouchure or e-copy	
20.	Civil, electrical, mechanical and all related to the installation of machine should be provided by the vender along with all electrical wires and switches.	
21.	Should have 1 years complete Parts and service warranty and another 1 years service warranty.	
22.	The principal company should be responsible of fulfilling warranty/guarantee , in case local authorized agent is not able to achieve the same. The commitment letter of same should be attached.	
23.	Onside repair & maintenance training and operational training to the Hospital's Biomedical Engineer, biomedical technicians and Users.	
24.	1 copy of Service and operating manual in English should be provided at the time of installation.	

Technical Specification Curtains

S.N.	**Purpose Specification**	**Bidder's Compliance Sheet**		
		Yes / No	**Page no. in Catalogue**	**Remarks**
Curtain				
Name of Bidder:				
Manufacturer				
Brand				
Type / Model				
Country of Origin				
1	**Description of Function**			
1.1	A curtain is a piece of cloth intended to block or obscure light, or drafts, or (in the case of a shower curtain) water			
2	**System Configuration**			
2.1	curtains are used throughout health care facilities in shared rooms, emergency departments, pre-op, post-anesthesia care, and intensive care units to provide patients with needed privacy during interactions with health care staff and during family visits.			

3	**Technical Specifications**			
3.1	It shall be approx. 70x78 inches size			
3.2	It shall be 100% water proof			
3.3	It shall be durable and easy to wash			
3.4	Material shall be PVC			
4	**Accessories, spares and consumables**			
4.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).			
5	**Operating Environment**			
5.1	The system offered shall be designed to operate normally under the conditions of the purchaser's country specific place. The conditions include Power Supply,Climate, Temperature, Humidity, Altitude etc.			
5.2	Comprehensive warranty for 1 year after acceptance.			

TECHNICAL SPECIFICATION of BED SHEET & PILLOW COVER

S.No.	Purchaser's Specification		Bidder's offer	Remarks
	Bed sheet			
	Manufacturer			
	Brand			
	Model Number			
	Country of Origin			
	Technical Specification			
1	Overall approx size: 90 cm X 60 cm			
2	Should be pure cotton made			
3	Edges stitched			
4	Must supply within stipulated time			
S.No.	**Purchaser's Specification**		**Bidder's offer**	**Remarks**
	Pillow Cover			
	Manufacturer			
	Brand			
	Model Number			
	Country of Origin			
	Technical Specification			
1	Overall approx size: 90 inches X 60 inches			

2	Should be pure cotton made		
3	Edges stitched		
4	Must supply within stipulated time		

Section VI. General Conditions of Contract

Table of Clauses

Section VI. General Conditions of Contract

1. Definitions

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

(a) "Contract" means the Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.

(b) "Contract Documents" means the documents listed in the Agreement, including any amendments thereto.

(c) "Contract Price" means the price payable to the Supplier as specified in the Agreement, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract.

(d) "Day" means calendar day.

(e) "Delivery" means the transfer of the Goods from the Supplier to the Purchaser in accordance with the terms and conditions set forth in the Contract.

(f) "Completion" means the fulfillment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.

(g) "GCC" means the General Conditions of Contract.

(h) "Goods" means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract.

(i) "Purchaser's Country" is the country specified in the Special Conditions of Contract (SCC).

(j) "Purchaser" means the entity purchasing the Goods and Related Services, as specified in the SCC.

(k) "Related Services" means the services incidental to the supply of the goods, such as insurance, installation, training and initial maintenance and other similar

obligations of the Supplier under the Contract.

(l) "SCC" means the Special Conditions of Contract.

(m) "Subcontractor" means any natural person, private or government entity, or a combination of the above, including its legal successors or permitted assigns, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.

(n) "Supplier" means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Agreement, and includes the legal successors or permitted assigns of the Supplier.

(o) "GoN" means the Government of Nepal.

(p) "The Site," where applicable, means the place named in the SCC.

2. Contract Documents

2.3 Subject to the order of precedence set forth in the Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory.

3. Fraud and Corruption

3.1 If the Purchaser determines that the Supplier has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, in competing for or in executing the Contract, then the Purchaser may, after giving 14 days notice to the Supplier, terminate the Supplier's employment under the Contract and the provisions of GCC Clause 34.1 shall apply.

For the purposes of this Sub-Clause:

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

(ii) "fraudulent practice"[5] is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;

[5] a "party" refers to a public official; the terms "benefit" and "obligation" relate to the procurement process or contract execution; and the "act or omission" is intended to influence the procurement process or contract execution.

(iii) "collusive practice"6 is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;

(iv) "coercive practice"7 is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;

(v) "obstructive practice" is

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

(bb) acts intended to materially impede the exercise of the GoN/DP's inspection and audit rights provided for under ITB Clause 3.5 and GCC Clause 25.

3.2 Without prejudice to any other rights of the Purchaser under this Contract, GoN may **blacklist** a Bidder/Supplier for its conduct for a period of one (1) to three (3) years on the following grounds and seriousness of the act committed by the bidder:

(a) if it is established that the Supplier committed acts specified in ITB 3.2,

(b) if it is established later that the Bidder has committed substantial defect in implementation of the contract or has not substantially fulfilled its obligations under the contract or the completed work is not of the specified quality as per the contract.

4. Interpretation 4.1 If the context so requires it, singular means plural and vice

6 "parties" refers to participants in the procurement process (including public officials) attempting to establish bid prices at artificial, non competitive levels.

7 a "party" refers to a participant in the procurement process or contract execution.

versa.

4.2 Entire Agreement

The Contract constitutes the entire agreement between the Purchaser and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of parties with respect thereto made prior to the date of Contract.

4.3 Amendment

No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.

4.4 Nonwaiver

(a) Subject to GCC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.

(b) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

4.5 Severability

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

5. Language

5.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Purchaser, shall be written in the language specified in the SCC. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified in the SCC, in which case,

for purposes of interpretation of the Contract, this translation shall govern.

5.2 The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation.

6. Joint Venture, Consortium or Association

6.1 If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfillment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. A bidder can submit only one bid either as a partner of the joint venture or individually. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser.

6.2 **The contractor shall not handover the responsibility of the contract to any one member or some members of Joint Venture or any other parties, not involved in the contract.**

7. Notices

7.1 Any Notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the SCC. The term "in writing" means communicated in written form with proof of receipt.

7.2 A Notice shall be effective when delivered or on the Notice's effective date, whichever is later.

8. Governing Law

8.1 The Contract shall be governed by and interpreted in accordance with the laws of Nepal.

9. Settlement of Disputes

9.1 The Purchaser and the Supplier shall make every effort to settle amicably by direct negotiation any disagreement or dispute arising between them under or in connection with the Contract.

9.2 Any dispute between the Parties as to matters arising pursuant to this Contract which cannot be settled amicably within thirty (30) days after receipt by one Party of the other Party's request for such amicable settlement may be referred to Arbitration within 30 days after the expiration of amicable settlement period as specified in SCC.

10. Scope of Supply

10.1 Subject to the SCC, the Goods and Related Services to be supplied shall be as specified in Section V, Schedule of Requirements.

10.2 Unless otherwise stipulated in the Contract, the Scope of Supply shall include all such items not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Delivery and Completion of the Goods and Related Services as if such items were expressly mentioned in the Contract.

11. Delivery

11.1 Subject to GCC Sub-Clause 31.1, the Delivery of the Goods and Completion of the Related Services shall be in accordance with the Delivery and Completion Schedule specified in the Section V, Schedule of Requirements. The details of documents to be furnished by the Supplier are specified in the SCC.

12. Supplier's Responsibilities

12.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GCC Clause 10, and the Delivery and Completion Schedule, as per GCC Clause 11.

13. Purchaser's Responsibilities

13.1 Whenever the supply of Goods and Related Services requires that the Supplier obtain permits, approvals, and import and other licenses from public authorities in Nepal, the Purchaser shall, if so required by the Supplier, make its best effort to assist the Supplier in complying with such requirements in a timely and expeditious manner.

13.2 The Purchaser shall pay all costs involved in the performance of its responsibilities, in accordance with GCC Sub-Clause 13.1.

14. Contract Price

14.1 The Contract Price shall be as specified in the Agreement subject to any additions and adjustments thereto, or deductions there from, as may be made pursuant to the Contract.

14.2 Prices charged by the Supplier for the Goods delivered and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in the SCC.

15. Terms of Payment

15.1 The Contract Price shall be paid in Nepalese Currency.

15.2 The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by invoices describing, as appropriate, the Goods delivered and Related Services performed, and by the documents submitted pursuant to GCC Clause 11 and upon fulfillment of all the obligations stipulated in the Contract.

15.3 Payments shall be made promptly by the Purchaser, no later than thirty (30) days after submission of an invoice or request for payment by the Supplier, and the Purchaser has accepted it.

16. Taxes and Duties

16.1 For goods supplied, the Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser

17. Performance Security

17.1 The Supplier shall, within fifteen (15) days of the receipt of notification of Contract award, provide a Performance Security for the due performance of the Contract in the amounts and currencies specified in the SCC.

17.2 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 obligations under the Contract.

17.3 The Performance Security shall be denominated in the currency of the Contract, or in a freely convertible currency acceptable to the Purchaser, and shall be in one of the forms stipulated by the Purchaser in the SCC, or in another form acceptable to the Purchaser.

17.4 The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in the SCC.

18. Copyright

18.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such

third party.

19. Confidential Information

19.1 The Purchaser and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier under GCC Clause 19.

19.2 The Purchaser shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the Contract. Similarly, the Supplier shall not use such documents, data, and other information received from the Purchaser for any purpose other than the design, procurement, or other work and services required for the performance of the Contract.

19.3 The obligation of a party under GCC Sub-Clauses 19.1 and 19.2 above, however, shall not apply to information that:

(a) the Purchaser or Supplier need to share with the Donor for Donor funded project or other institutions participating in the financing of the Contract;

(b) now or hereafter enters the public domain through no fault of that party;

(c) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or

(d) otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.

19.4 The above provisions of GCC Clause 19 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract

in respect of the Supply or any part thereof.

19.5 The provisions of GCC Clause 19 shall survive completion or termination, for whatever reason, of the Contract.

20. Subcontracting

20.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under the Contract if not already specified in the Bid. Subcontracting shall in no event relieve the Supplier from any of its obligations, duties, responsibilities, or liability under the Contract.

20.2 Subcontracts shall comply with the provisions of GCC Clauses 3.

21. Specifications and Standards

21.1 Technical Specifications and Drawings

(a) The Supplier shall ensure that the Goods and Related Services comply with the technical specifications and other provisions of the Contract.

(b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser.

(c) The Goods and Related Services supplied under this Contract shall conform to the standards mentioned in Section V, Schedule of Requirements and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the country of origin of the Goods.

21.2 Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Section V, Schedule of Requirements Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with GCC Clause 32.

22. Packing and

22.1 The Supplier shall provide such packing of the Goods as is

Documents

required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the final destination of the Goods and the absence of heavy handling facilities at all points in transit.

22.2 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 SCC, and in any other instructions ordered by the Purchaser.

23. Insurance

23.1 Unless otherwise specified in the SCC, the 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, and delivery, in the manner specified in the SCC.

24. Transportation

24.1 Unless otherwise specified in the SCC, obligations for transportation of the Goods shall be in accordance with the Incoterms specified in Sections V, Schedule of Requirements.

25. Inspections and Tests

25.1 The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services as are specified in Sections V, Schedule of Requirements.

25.2 The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at point of delivery, and/or at the final destination of the Goods, or in another place in Nepal as specified in the SCC. Subject to GCC Sub-Clause 25.3, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.

25.3 The Purchaser or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 25.2, provided that the Purchaser bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and

board and lodging expenses.

25.4 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.

25.5 The Purchaser may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications, codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impede the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected.

25.6 The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.

25.7 The Purchaser may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Purchaser, and shall repeat the test and/or inspection, at no cost to the Purchaser, upon giving a notice pursuant to GCC Sub-Clause 25.4.

25.8 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Purchaser or its representative, nor the issue of any report pursuant to GCC Sub-Clause 25.6, shall release the Supplier from any warranties or other obligations under the Contract.

26. Liquidated Damages

26.1 Except as provided under GCC Clause 31, if the Supplier fails to deliver any or all of the Goods or perform the Related Services within the period specified in the Contract,

the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the SCC of the Contract Price for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in the SCC. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to GCC Clause 34.

27. Warranty

27.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

27.2 Subject to GCC Sub-Clause 21.1, the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in Nepal.

27.3 Unless otherwise specified in the SCC, the warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the SCC.

27.4 The Purchaser shall give Notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.

27.5 Upon receipt of such Notice, the Supplier shall, within the period specified in the SCC, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.

27.6 If having been notified, the Supplier fails to remedy the defect within the period specified in the SCC, the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

28. Patent Indemnity

28.1 The Supplier shall, subject to the Purchaser's compliance with GCC Sub-Clause 28.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:

(a) the installation of the Goods by the Supplier or the use of the Goods in the country where the Site is located; and

(b) the sale in any country of the products produced by the Goods.

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Supplier, pursuant to the Contract.

28.2 If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in GCC Sub-Clause 28.1, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

28.3 If the Supplier fails to notify the Purchaser within thirty (30) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf.

28.4 The Purchaser shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such

proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.

28.5 The Purchaser shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Purchaser.

29. Limitation of Liability

29.1 Except in cases of gross negligence or willful misconduct :

(a) neither party shall be liable to the other party for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser; and

(b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort, or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the Supplier to indemnify the Purchaser with respect to patent infringement.

30. Change in Laws and Regulations

30.1 Unless otherwise specified in the Contract, if after the date of the Invitation for Bids, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in Nepal where the Site is located (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any

of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with GCC Clause 14.

31. Force Majeure

31.1 The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

31.2 For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

31.3 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.

32. Change Orders and Contract Amendments

32.1 The Purchaser may at any time order the Supplier through Notice in accordance GCC Clause 7, to 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;

(b) the method of shipment or packing;

(c) the place of delivery; and

(d) the Related Services to be provided by the Supplier.

32.2 If any such change causes an increase or decrease in the cost

of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery and Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Purchaser's change order.

32.3 Prices to be charged by the Supplier for any Related Services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

33. Extensions of Time

33.1 If at any time during performance of the Contract, the Supplier or its Subcontractors should encounter conditions impeding timely delivery of the Goods or completion of Related Services pursuant to GCC Clause 11, the Supplier shall promptly, and at least twenty one (21) days before the expiry of procurement contract, notify the Purchaser in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.

33.2 Except in case of Force Majeure, as provided under GCC Clause 31, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 26, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 34.1.

34. Termination

34.1 Termination for Default

(a) The Purchaser, without prejudice to any other remedy for breach of Contract, by Notice of default sent to the Supplier, may terminate the Contract in whole or in part:

(i) if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the

Purchaser pursuant to GCC Clause 33; or

(ii) if the Supplier fails to perform any other obligation under the Contract.

(iii) The supplier uses the advance payment for matters other than the contarctual obligations.

(iv) The purchaser may terminate the contract at any time in the following condition incase contract is terminated.supplier shall obliged to pay whole amount of remaining work or supply or fulfill the any Supplier obligation.

(a) does not commence the work as per the contract,

(b) abandons the contract with out completing,

(c) fails to achieve progress as per the contract.

(b) In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 34.1(a), the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to the Purchaser for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

(c) if the Supplier, in the judgment of the Purchaser has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, as defined in GCC Clause 3, in competing for or in executing the Contract.

34.2 Termination for Insolvency

The Purchaser may at any time terminate the Contract by giving Notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Purchaser.

34.3 Termination for Convenience

(a) The Purchaser, by written Notice sent to the Supplier, may 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 the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

(b) The Goods that are complete and ready for shipment within seven (7) days after the Supplier's receipt of the Notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:

(i) To have any portion completed and delivered at the Contract terms and prices; and/or

(ii) To cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier.

35. Assignment

35.1 Neither the Purchaser nor the Supplier shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.

Section VII. Special Conditions of Contract

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

GCC 1.1(i)	The Purchaser's country is: **Nepal**
GCC 1.1(j)	The Purchaser is: **Province Health Logistic Management Center, Province 2, Jankpurdham, Dhanusha**
GCC 1.1 (p)	The Site is: **As mentioned in Schedule of requirement**
GCC 5.1	The language shall be: ***English***
GCC 7.1	For **notices**, the Purchaser's address shall be: Name and Address of the Purchaser: **Province Health Logistic Management Center, Province 2, Jankpurdham, Dhanusha Nepal** Telephone number: Facsimile number: e-mail Address:phlmc.province2@gmail.com
	For **notices**, the Suppliers's address shall be: ***[insert full name and address of Suppliers including telephone number, facsimile number and electronic mail address (if applicable)]*** Name and Address of the Supplier: Telephone number: Facsimile number: e-mail Address:
GCC 9.2	In case of arbitration, the arbitration shall be conducted in accordance with the arbitration procedures published by the Nepal Council of Arbitration (NEPCA) at Kathmandu.

GCC 10.1	The Scope of Supply shall be defined in: ***"Section V, Schedule of Requirements" or indicate where the Scope of Supply shall be defined. At the time of awarding the Contract, the Purchaser shall specify any change in the Scope of Supply with respect to Section V, Schedule of Requirements included in the Bidding Document. Such changes may be due, for instance, if the quantities of Goods and Related Services are increased or decreased at the time of award.***
GCC 11.1	**Upon delivery of the Goods to the transporter, the Supplier shall notify the Purchaser and send the following documents to the Purchaser:** **a) Original and Copies of the Supplier's invoice showing the description of the Goods, quantity, unit price, and total amount;** **b) Copy of packing list indentifying the contents of each package;** **c) Delivery note, railway receipt, or truck receipt;** **d) Manufacturer's or Supplier's warranty certificate;** **e) Certificate of origin; and** **f) Inspection certificate issued by the nominated inspection agency, and the Supplier's factory inspection report;** **The Purchaser shall receive the above documents before the arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.**
GCC 14.2	**The prices charged for the Goods delivered and the Related Services to be performed shall be fixed for the duration of the contract.**
GCC 15.1	The terms of payment to be made to the Supplier under the contract shall be as follows: **1. The payment shall be made:** **(a) Retentition Money also deducted** **(b) through accounts division/unit of the Purchaser or** **(c) Through the Provincial Treasury Controller Office.**
GCC 15.1	**2. Payments shall be made in Nepalese Rupees in the following manner:** **On Delivery and acceptance: Retention Money and tax deducted after One Hundred (100)] percent. of the Contract Price of the Goods and related services delivered shall be paid within Twenty Five (25) days of receipt of the Goods and related services and upon submission of a claim supported by the documents specified in GCC 11.1**

GCC 17.1	The Supplier shall provide a Performance Security as follows: I. If bid price of the bidder selected for acceptance is up to 15 (fifteen) percent less than the approved cost estimate, the performance security amount shall be 5 (five) percent of the bid price. II. For the bid price of the bidder selected for acceptance is more than 15 (fifteen) percent below of the cost estimate, the performance security amount shall be determined as follows: **Performance Security Amount = [(0.85 x Cost Estimate –Bid Price) x 0.5] + 5% of Bid Price.** The Bid Price and Cost Estimate shall be inclusive of Value Added Tax. **The amount of the Performance Security shall be in Nepalese Rupees, and shall be valid for the period of 25 *Months from the date of contract Agreement.*** **The performance security shall be forfeited, in case the Supplier fails to complete the contractual obligation and rectify the defects within warranty period.**
GCC 17.3	The types of acceptable Performance Securities are: **A bank guarantee issued by Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law located in Nepal or reputable bank located abroad, acceptable to the Purchaser, in the format included in Section VIII, Contract Forms, Performance Security issued by foreign Bank must be counter – guaranteed by Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law in Nepal.**
GCC 17.4	Discharge of the Performance Security shall take place: ***30 days after expiry of warranty period. The supplier shall promptly extend the validity suitably to cover agreed extension of the warranty period of the supplied goods***

GCC 22.2	A complete packing list indicating the content of each package shall be enclosed in a water proof envelope and shall be secured to the outside of the packing case. In addition, each package shall be marked with indelible ink/paint in bold letters, as follows: a. Contract number : b. Name and address of the Purchaser: c. Country of origin, d. Gross weight e. Net weight f. Package number of total number of packages g. Brief description of content Upright markings, where appropriate, shall be placed on all four vertical sides of the package. All materials used for packing shall be environmentally neutral.
GCC 23.1	The insurance coverage shall be in an amount equal to 110 percent of the contract price of the Goods on "All Risks" basis, including War Risks, riots and/or Strikes.
GCC 24.1	Obligations for transportation of the Goods shall be in accordance with: ***The supplier is required under the contract to transport the Goods to a specified place of final destination, defined as the project site, transport to such place of destination including insurance and storage, as shall be specified in the contract, shall be arranged by the supplier, and related costs shall be included in the contract price.***
GCC 25.2	Upon receipt of the Goods at place of final destination, the Purchaser"s representative shall inspect the Goods and verify QA documents to ensure that they conform to the condition of the Contract and Technical Specifications; and advise the Purchaser that the Goods were received in apparent good order. The Purchaser will issue an Acceptance Certificate to the Supplier in respect of such Goods (or part of Goods).
GCC 26.1	The applicable rate of liquidated damages shall be: ***0.05 percent of the Contract Price per day.*****]**
GCC 26.1	The maximum amount of liquidated damages shall be: ***ten (10) percent of the Contract Price.*** The contract shall be terminated, if liquidated damages exceeds 10 percent of the Contract Price and blacklisting process shall be initiated for the Supplier's failure to complete the contractual obligations.
GCC 27.3	The period of validity of the Warranty shall be: TWO years for PCR machine For the purposes of the Warranty, the place of final destination shall be: Provincial Logistic Management Center, Dhanusha

GCC 27.5	The Supplier shall correct any defects covered by the Warranty within: 5 days of being notified by the Purchaser of the occurrence of such defects

Section VIII. Contract Forms

Table of Forms

Letter of Intent

[on letterhead paper of the Purchaser]

. . . . . ***date***. . . . . .

Notes on Letter of Intent

The issuance of Letter of Intent is the information of the selection of the bid of the successful bidder by the Purchaser and for providing information to other unsuccessful bidders who participated in the bid as regards to the outcome of the procurement process. This standard form of Letter of Intent to Award should be filled in and sent to the successful Bidder only after evaluation and selection of substantially responsible lowest evaluated bid.

To: . . . . . ***name and address of the Supplier*** . . . . . .

Subject: ***Issuance of letter of intent to award the contract***

This is to notify you that, it is our intention to award the contract. for execution of the . . . . . ***name of the contract and identification number, as given in the Contract Data/SCC*** to you as your bid price . . . . . ***amount in figures and words in Nepalese Rupees*** ……. as corrected and modified in accordance with the Instructions to Bidders is hereby selected as substantially responsive lowest evaluated bid.

Authorized Signature: .....

Name: .....

Title: .....

CC:
[Insert name and address of all other Bidders, who submitted the bid]

प्रदेश सरकार
सामाजिक विकास मन्त्रालय
प्रदेश नं. २
निर्देशक

Letter of Acceptance

[on letterhead paper of the Purchaser]

. . . . . ***date***. . . . . .

To: . . . . . ***name and address of the Supplier*** . . . . . .

Subject: .***Notification of Award***

This is to notify that your Bid dated . . . . ***date*** . . . . for execution of the . . . . . ***.name of the contract and identification number, as given in the Contract Data/SCC*** . . . . . for the Contract price of Nepalese Rupees ***[insert amount in figures and words in Nepalese Rupees]***, as corrected in accordance with the Instructions to Bidders is hereby accepted in accordance with the Instruction to Bidders.

You are hereby instructed to contract this office to sign the formal contract agreement within 15 days. As per the Conditions of Contract, you are also required to submit Performance Security, as specified in SCC, consisting of a Bank Guarantee in the format included in Section VIII (Contract Forms) of the Bidding Document.

The amout of performance security shall be NRs…….[Insert amount] and validity period of performance security shall be ……[insert validity period].

The Purchaser shall forfeit the bid security, in case you fail to furnish the Performance Security and to sign the contract within specified period.

Authorized Signature: .....

Name and Title of Signatory:

प्रदेश सरकार
सामाजिक विकास मन्त्रालय
प्रदेश नं. २
निर्देशक

Agreement Form

THIS AGREEMENT made on the [***insert number***] day of [***insert month***], [***insert year***], between [***insert complete name of Purchaser***] of [***insert complete address of Purchaser***] (hereinafter "the Purchaser"), of the one part, and [***insert complete name of Supplier***] of [***insert complete address of Supplier***] (hereinafter "the Supplier"), of the other part:

WHEREAS the Purchaser invited Bids for certain Goods and Related Services, viz., [***insert brief description of the Goods and Related Services***] and has accepted a Bid by the Supplier for the supply of those Goods and Related Services in the sum of NRs ……..[***insert amount of contract price in words and figures including taxes***] (hereinafter "the Contract Price").

NOW THIS AGREEMENT 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 Purchaser's Notification to the Supplier of Award of Contract;
   (b) the Bid Submission Form and the Price Schedules submitted by the Supplier;
   (c) the Special Conditions of Contract;
   (d) the General Conditions of Contract;
   (e) the Schedule of Requirements; and
   (f) ***[indicate any other documents required as appropriate***]

   This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.

3. In consideration of the payments to be made by the Purchaser to the Supplier as indicated in this Agreement, the Supplier hereby covenants with the Purchaser to provide the Goods and Related Services and 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 Goods and Related Services and the remedying of defects therein, the Contract Price or 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 the laws of **"Nepal"** on the day, month, and year indicated above.

Signed by [***insert authorized signature for the Purchaser***] (for the Purchaser)

Signed by [***insert authorized signature for the Supplier***] (for the Supplier)

Performance Security

[insert complete name and number of Contract]

To: [***insert complete name of Purchaser***]

WHEREAS [***insert complete name of Supplier***] (hereinafter "the Supplier") has received the notification of award for the execution of **[*insert identification number and name of contract]*** (hereinafter "the Contract").

AND WHEREAS it has been stipulated by you in the aforementioned Contract that the Supplier shall furnish you with a security [***insert type of 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 [***insert complete name of Guarantor***], legally domiciled in [***insert complete address of Guarantor***], (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 [***insert currency and amount of guarantee in words and figures***] and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract, without cavil or argument, any sum or sums within the limits of [***insert currency and amount of guarantee in words and figures****]* 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 ***[insert day, month, year***].

Name: [***insert complete name of person signing the Security***]

In the capacity of: [***insert legal capacity of person signing the Security***]

Signed: [***insert signature of person whose name and capacity are shown above***]

Duly authorized to sign the security for and on behalf of: **[*insert seal and complete name of Guarantor]***

Date: [***insert date of signing****]*

Advance Payment Security

[insert complete name and number of Contract]

To: ***[insert complete name of Purchaser]***

In accordance with the payment provision included in the Contract, in relation to advance payments, ***[insert complete name of Supplier***] (hereinafter called "the Supplier") shall deposit with the Purchaser a security consisting of ***[indicate type of security***], to guarantee its proper and faithful performance of the obligations imposed by said Clause of the Contract, in the amount of [***insert currency and amount of guarantee in words and figures***].

We, the undersigned [***insert complete name of Guarantor***], legally domiciled in ***[insert full address of Guarantor]*** (hereinafter "the Guarantor"), as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligator 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 [***insert currency and amount of guarantee in words and figures****]*.

This security shall remain valid and in full effect from the date of the advance payment being received by the Supplier under the Contract until ***[(insert day, month, year) Contract completion date may be a basis for this date****]*.

Name: ***[insert complete name of person signing the Security]***

In the capacity of: ***[insert legal capacity of person signing the Security]***

Signed: [***insert signature of person whose name and capacity are shown above]***

Duly authorized to sign the security for and on behalf of: **[*insert seal and complete name of Guarantor]***

Date: ***[insert date of signing]***