



Tender Document

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TENDER NOTICE

Sindh Integrated Emergency & Health Services

TENDER NOTICE

Sindh Integrated Emergency & Health Services (SIEHS), a not for profit organization incorporated under Section 42 of Companies Act, 2017, is engaged in implementing sustainable scalable health care service delivery programs that enhance access to free of cost lifesaving health services for all.

SIEHS in collaboration with Health Department Sindh and PDMA Sindh is expanding Ambulatory care services in 22 districts of Sindh by introducing 230 Ambulances with 5 regional headquarters and 40 stations.

SIEHS through this tender notice is inviting bids from interested, reputable & qualified companies on the below listed activities.

Tender	Description	Tender Collection Start Date	Bid Submission
Ref: T9 /2022-Staff Transportation service	Staff pick and drop service in 3 shifts per day, 365 days a year on multiple routes in Karachi. 3 to 4 vehicles required with capacity of 5-6 passenger each	June 6, 2022	June 15, 2022
Ref: T10 /2022-Security Guard Services	Armed and unarmed security guard services required in Karachi and other districts of Sindh	June 6, 2022	June 15, 2022
Ref: T11 /2022-Manpower services	Provision of manpower staff such as office boys, janitorial and technical staff in Karachi and other districts of Sindh	June 6, 2022	June 15, 2022
Ref: T12 /2022-Medical Manikins and Simulators	Advanced medical manikins and AED trainers for paramedic training related to medical and traumatic emergencies	June 6, 2022	June 20, 2022
Ref: T13 /2022-Leasing of Ambulance	Invitation to prospective bidders/financial Institutions/banks to submit proposals for the lease of 56 Ambulances for the period of 04 years	June 7, 2022	June 15, 2022
Ref: T14 /2022-Leasing of Staff Vehicle	Invitation to prospective bidders /financial Institutions/banks to submit proposals for the lease of 06 office staff vehicles for the period of 04 years	June 7, 2022	June 15, 2022
Ref: T15 /2022-Fabrication of Vehicles	Fabrication of vehicle into ambulance structure with ambulatory items on SIEHS provided 56 vehicles 4x2 as envisaged in bid document	June 7, 2022	June 30, 2022

Tender and vendor registration forms, along with detailed requirements on each activity and terms & conditions, can be obtained during office hours (9:00am to 5:00pm) on any working day (Mon to Fri) before June 14, 2022 as under:

- Email request to procurement@siehs.org (Mention tender name in subject for email inquiries)
- By hand from the address given below.
- Payment: Rs.5000/- per tender (non-refundable) through bank deposit (Sindh Bank Limited Account number 5301-604070-6100) / demand draft / pay order in favor of Sindh Integrated Emergency & Health Services (SIEHS) NTN: 4979065.

Supply Chain Department
Sindh Integrated Emergency & Health Services
Plot No. 43-15 / K, Block 6, P.E.C.H.S., Karachi, Pakistan
UAN: +92-21-111-111-823 Ext: 2006 / 2022
www.siehs.org

سندھ انٹیگریٹڈ ایمرجنسی اور ہیلتھ سروسز

ٹینڈر نوٹس

سندھ انٹیگریٹڈ ایمرجنسی اور ہیلتھ سروسز (SIEHS) کیپٹلک 2017 کے سیکشن 42 کے تحت شامل ایک غیر منافع بخش تنظیم ہے، جو کہ مفت اور قابل رسد کی دیکھ بھال کی خدمات کی فراہمی کے لیے ملحد ذمہ داری اٹھانے والی صحت کی خدمات فراہم کرنے والی اور صحت کی دیکھ بھال کے لیے ملحد ذمہ داری اٹھانے والی ہے۔

SIEHS کے ساتھ ساتھ PDMA کے تعاون سے سندھ کے 22 اضلاع میں 230 آمبولانسز، 5 ریجنل ہیڈ کوارٹرز اور 40 اسٹیشنوں کے ساتھ 230 آمبولانسز خرید کر رہا ہے۔

SIEHS اس ٹینڈر نوٹس کے ذریعے ذیل میں درج سرگرمیوں کو دلچسپی رکھنے والی، معروف اور قابل کمپنیوں سے پوچھنا طلب کر رہا ہے۔

ٹینڈر	تفصیل
حوالہ: T9/2022-Staff Transportation service	کراچی کے حوالہ دہندگان، مختلف کمپنیوں اور سروس پرووائڈرز کے ذریعے 365 دنوں کے سال کے 3 شیفتوں میں 3 سے 4 گاڑیوں کی فراہمی۔
حوالہ: T10/2022-Security Guard Services	کراچی سمیت سندھ کے دیگر اضلاع میں سٹیٹ گارڈز اور سٹیٹ سٹیبلز کی فراہمی کیلئے کرائی کے لیے پوچھنا طلب کر رہا ہے۔
حوالہ: T11/2022-Manpower services	کراچی سمیت سندھ کے دیگر اضلاع میں آفس بوائز، جنیٹریل اور ٹیکنیکل اسٹاف کی فراہمی کیلئے کرائی کے لیے پوچھنا طلب کر رہا ہے۔
حوالہ: T12/2022-Medical Manikins and Simulators	پارامیڈیکل ٹریننگ اور ایڈوانسڈ میڈیکل منیکین اور ایڈوانسڈ میڈیکل سیمولیٹرز کے لیے پوچھنا طلب کر رہا ہے۔
حوالہ: T13/2022-Leasing of Ambulance	کراچی کے لیے 56 آمبولانسز کی لیز کے لیے پوچھنا طلب کر رہا ہے۔
حوالہ: T14/2022-Leasing of Staff Vehicle	کراچی کے لیے 6 آفس اسٹاف گاڑیوں کی لیز کے لیے پوچھنا طلب کر رہا ہے۔
حوالہ: T15/2022-Fabrication of Vehicles	کراچی کے لیے 56 آمبولانسز کی تیاری کے لیے پوچھنا طلب کر رہا ہے۔

ٹینڈر اور رجسٹریشن فارم، سرگرمیوں اور درخواستوں کی تفصیلی تفصیلات کے ساتھ ساتھ 14 جون 2022 سے پہلے کی تکمیل کے دن (جو کہ 9:00 بجے تک) 5:00 بجے تک کے دوران سندھ سے حاصل کیے جاسکتے ہیں۔

• ای میل کی درخواست procurement@siehs.org پر ای میل کے ذریعے یا کسی بھی دوسرے ذریعے سے پوچھنا طلب کر رہا ہے۔

• ہاتھ سے پوچھنا طلب کر رہا ہے۔

• رقم: 5000/- فی ٹینڈر (غیر واپس لینے والی) کے ذریعے (سندھ بینک لمیٹڈ اکاؤنٹ نمبر 5301-604070-6100) / ڈیمانڈ ڈرافٹ / پی آرڈر کے ذریعے (سندھ انٹیگریٹڈ ایمرجنسی اور ہیلتھ سروسز (SIEHS) NTN: 4979065) کے ذریعے۔

سپلائی چین ڈیپارٹمنٹ
سندھ انٹیگریٹڈ ایمرجنسی اور ہیلتھ سروسز
پلاٹ نمبر 43-15/ک، بلاک 6، پی.ایچ.ایس، کراچی، پاکستان
UAN: +92-21-111-111-823 Ext: 2006 / 2022
www.siehs.org

COMPANY INTRODUCTION

Sindh Integrated Emergency and Health Services (SIEHS), is a section 42 not-for-profit company formed in collaboration with the Government of Sindh. This service is a realization of Government of Sindh's commitment to strengthen the primary healthcare structure in Sindh through a public-private arrangement ensuring delivery of timely, effective, patient-focused ambulance and holistic healthcare services, free-of-cost.

SIEHS under its ambit operates and manages Pakistan's first and only ISO 9001:2015 certified ambulance service called Sindh Rescue and Medical Service (SRMS). SRMS operates according to international protocols, and is equipped with advanced medical equipment, life-saving drugs and qualified paramedics and nurses, providing immediate pre-hospital emergency care to those suffering with acute health trauma. The quality emergency services are available to all those who need it, across the social spectrum.

Our TeleHealth and Tele Medicine platform is designed to support health care solutions and capacity building across the general health continuum, free-of-charge. With 24/7 access to doctors, clinical psychologists and healthcare experts, supported by updated algorithms for common diseases and on-going pandemic, we ensure that people in need receive timely diagnostic and counselling services, anytime. Our state-of-the-art call center allows callers to access coordinated advice and counselling services from across Pakistan, by dialing "1123".

SIEHS invites sealed bids on single stage two envelopes procedure from the well reputed financial institution registered with SRB, FBR & with SBP to provide vehicle leasing for the period of 48 months.

INSTRUCTION TO BIDDERS

3-A PRE BID SUBMISSION

TENDER TIMELINES

The estimated timing for the key milestones in the tender process is as follows:

Steps	Time line	Start Date	End Date
Tender advertisement published in the newspapers		05-Jun-22	
Tender collection by interested bidders	From the date of tender publishing till before opening of bids	07-Jun-22	20-Jun-22
Addressing of queries from bidders	From the date of tender publishing till 10 calendar days to the bid submission date	05-Jun-22	15-Jun-22
Bid submission by vendors	Maximum by 25th calendar day after tender notice 1:00 pm	05-Jun-22	30-Jun-22
Technical proposal opening by tender committee	18th calendar day 3:00 pm	30-Jun-22	30-Jun-22
Technical proposal evaluation by tendering committee	11 working days	30-Jun-22	11-July-22
Financial bid opening by tender committee (only technically qualified bidders)	After technical evaluation completion	11-July-22	11-July-22
Comparative analysis of financial proposals along with clarification of queries if any	3 working days	11-July-22	14-July-22
Negotiations [with 3 lowest cost bidders, technically qualified] and review for vendor finalization by tender committee.	5 working days	15-July-22	20-July-22
Internal approvals and project award with Letter of intent	2 working days	21-July-22	22-July-22
Arrangement of lease Agreement	6 working days	25-July-22	29-Jul-22

CONTACT DETAILS

Name of the Company	
Company NTN	
Company GST No.	
Provincial sales tax numbers (SST)	
Office Address	
Name of the authorized contact person for tender project	
Email address for tender query correspondence	
Telephone No with extension if any	
Mobile No.	
Signature of Authorized Person (Name & Designation)	
Company stamp if available	

MANDATORY / ELIGIBILITY CRITERIA:

The proposals adhering to below requirements will be considered for further evaluation process.

1. Certificate of Company/Firm Registration/Incorporation under the laws of Pakistan with minimum 5 years of Relevant Experience.
2. Registration of NTN with Federal Board of Revenue (FBR) and having Active Tax Payer status. (Relevant Principal Activity)
3. Registration of General Sales Tax (GST) with Federal Board of Revenue (FBR) and having Active Tax Payer status and three months returns of all mandatory.
4. The bidder should have fully operational office/ Head office in Karachi.
5. Affidavit that firm is not Blacklisted and involved in any active litigation in Pakistan. (Annexure B)
6. Proof of similar completed projects for the last five years. (Completion Certificates, Satisfactory Reports, Performance Certificates etc Should be verified)
7. Audited Financial Statement of the company for the last three years.
8. Each page of the bid documents and profile of the firm must be signed and stamped by the bidder.
9. Affidavit on legal paper for 'Declaration of Self Obligation' (Annexure C)
10. Bidder has to submit proof of quality control standards followed by the firm for fabrication of ambulance.
11. Previous performance will be taken into account while evaluation of the bid
12. Inspection of the material will be carried out at bidders works by authorized representative(s) of SIEHS. Notice in writing shall have to be given to the SIEHS representative by bidders. All reasonable facilities as provided in the specifications shall have to be afforded to the SIEHS representative by bidder at their own expense for carrying out Inspection.
13. Bidder will furnish a warranty certificate, certifying that the goods supplied conform exactly to the specification laid down in the scope of work and are brand new and that in the event of the material being found defective or not conforming to the specification/particulars governing supply at the time of delivery and for a period of 01-Year, bidder will be held responsible for all losses and the unacceptable goods shall be substituted with the acceptable goods at your expenses and cost.
14. The bidder 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 the scope of work
15. The bidder shall provide the Purchaser with a report of the results of any such test and/or inspection

BUSINESS REQUIREMENT / SCOPE OF WORK

The lifesaving ambulance fleet is equipped with first-aid medical equipment, medical supplies, paramedics and nursing staff and is expected to provide round the clock clinical interventions in order to stabilize and transport patients from site of injury to the healthcare facilities. The quality emergency services will be available to all those who need it, across the social spectrum. This service is a realization of company's commitment to strengthen the primary health care structure in Sindh through a public-private arrangement ensuring delivery of timely, effective and patient focused ambulance service.

Lease Item No.	Description of Lease Item	Quantity
1	Fabrication of Ambulance Type I (Scope of work as per Annexure "D")	31
2	Fabrication of Ambulance Type II (Scope of work Annexure "E")	25

CLARIFICATION / QUERIES ON TENDERING DOCUMENTS

A prospective bidder requiring any clarification(s) may notify to SIEHS in writing via email address provided in a bid data sheet duly referring the title of the in email subject. The concerned officer will respond to any request for clarification within 03 calendar days. Clarification response will be shared with all prospective bidders that have deposited the tender fee.

BID PRICE

1. The price / bid offer quoted should be firm, final and clearly written / typed without any ambiguity.
2. The bid price should include all the government taxes, as per prevailing taxation rates of provincial / federal / local governments etc. (e.g., SST/GST, Income Tax, Withholding Tax etc.).
3. If there is no mention of taxes or calculation error, the offered/quoted price will be considered as inclusive of all prevailing taxes/duties. The benefit of exemption from or reduction in the Income Tax / SST / GST or other taxes during the contract period shall be passed on to SIEHS.
4. The bidder shall deem to have obtained all related information as to the requirements thereto which may affect the bid offer / price if required.

VALIDITY OF BIDS

All bids shall remain valid for 60 (Sixty) days from the date of opening of Technical proposal.

BID SECURITY / EARNEST MONEY

1. The bid must be accompanied by a bid security in shape of a DD/Pay Order of 5% Bid value in favor of "Sindh Integrated Emergency and Health Services" on account of Earnest Money/Bid Bond (refundable) valid for a period of 28 days beyond the bid validity date. For unsuccessful parties the earnest money will be refunded within a period one month after the finalization of successful bidder.
2. The Bid Security shall be attached with the Financial Proposal. No interest will be paid on Bid Security. Photocopy of the Bid Security shall be attached with the Technical Proposal after hiding the amount.
3. Any bid not accompanied by an acceptable bid security shall be rejected by the SIEHS as non-responsive.
4. The bid security / earnest money of the unsuccessful bidders will be returned upon award of contract to the successful bidder or on expiry of validity of bid security whichever is earlier.
5. The bid security of the successful contractor will be returned only when the bidder furnishes the required Performance Security and signed relevant contract agreement.

ACCEPTANCE / REJECTION OF BID

A bid determined as non-responsive will be rejected and will not be made responsive by the bidder by correction of the non-conformity.

The bid shall be rejected if:

1. It is substantially non-responsive in a manner prescribed in this tender document.
2. It is against the Pakistani Laws, Rules, Regulations, Policies, Permits, Codes etc.
3. Bidder has conflict of interest with the SIEHS.
4. Bidder engages in corrupt or fraudulent practices in competing for Contract award.
5. Bidder tries to influence the bid evaluation / Contract award.
6. Bid submitted in other than prescribed forms, annexes, schedules, charts, drawings, documents / by other than specified mode; or
7. Unsigned, incomplete, partial, ambiguous, conditional, alternative, late
8. Any bidder encloses the financial bid within the technical bid, the same shall be rejected, as bids are invited according to the Single Stage – Two Envelope Procedure
9. Qualified by vague and indefinite expression such as "subject to prior confirmation", "subject to immediate acceptance" etc. will be treated as vague offers and rejected accordingly
10. Without verifiable proofs against the mandatory as well as general documentary, qualification and eligibility related requirements; or
11. Bidder fails to meet all the requirements of Tender Eligibility / Qualification Criteria (Clause-2);

12. Bid submitted with shorter bid validity period
13. Bidder fails to meet the minimum evaluation criteria requirements
14. Bid not accompanied by the Bid Security (Earnest Money) of required amount and form
15. Bidder refuses to accept the corrected Total Bid Amount / Price
16. The Bidder has been blacklisted by any public or private sector organization
17. Bidder has mentioned any financial implication(s) in the financial proposal that is in contradiction to this document and Government rules and regulations

FORFEITURE OF BID SECURITY

The bid security / earnest money may be forfeited / confiscated:

1. A bidder requests to withdraw his or its bid after opening but within the bid validity period
2. Successful bidder fails to furnish performance security
3. Successful bidder fails to sign the contract
4. A bidder does not accept the correction of the quoted amount following the correction of arithmetic errors.
5. A bidder has been found black listed by any agency of Federal or Provincial Government.

CANCELLATION OF BIDDING PROCESS

SIEHS tender committee:

1. May cancel the bidding process at any time prior to the acceptance of a bid or proposal.
2. Shall incur no liability towards the bidders.
3. Shall intimate the cancellation of bidding process immediately and upload a notice on the company website followed by prompt return of bid security.
4. Shall, upon request by any of the bidders, communicate to such bidder, grounds for the cancellation of bidding process, but is not required to justify such grounds.

AMENDMENT OF TENDER DOCUMENT

- a. At any time prior to the deadline for submission of bids, SIEHS may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the tender document by issuing a note to the provided email address shared by the bidder.

- b. Any amendments thus issued shall form eternal part of the tender document. To offer bidders a reasonable timeframe for preparing revised bids, the SIEHS may at its discretion extend the deadline for submission of bids.

PERIOD OF CONTRACT

The period required for completion based on the approval of case delivery timeline provided in the quotation. The period will start from the issuance of contract till the end of contract period.

DEADLINE FOR SUBMISSION OF BID

Bids must be received at the identified address no later than the time and date specified in the Bid Data Sheet.

SUBMISSION OF BIDS

Bids should be submitted in accordance with instructions shared in this document

Single Stage – Two Envelope Procedure.

1. Bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal
2. Envelopes shall be marked as “FINANCIAL PROPOSAL” and TECHNICAL PROPOSAL” in bold and legible letters to avoid confusion
3. Initially, only the envelope marked “TECHNICAL PROPOSAL” shall be opened;
4. Envelope marked as “FINANCIAL PROPOSAL” shall be retained in the custody of SIEHS without being opened.
5. SIEHS shall evaluate the technical proposal in a manner prescribed in advance, without reference to the price and reject any proposal which does not conform to the specified requirements. No amendments in the technical proposal shall be permitted during the technical evaluation.
6. Financial proposals of technically qualified bids shall be opened publicly at a time, date and venue announced and communicated to the bidders in advance.

7. Financial proposal of bids found technically non-responsive shall be returned un-opened to the respective bidders.
8. The technical bid should contain all the relevant information and desired enclosures in the prescribed format. The financial Bid should contain only Financial Proposal and Bid Security. In case, any bidder encloses the financial bid within the technical bid, the same shall be rejected summarily.
9. Technical / Financial Bids should be submitted in sealed envelope. The inner and outer envelopes shall:
 - i. Be addressed to the SIEHS at the address given in the bidding documents
 - ii. Opened or e-mailed or faxed or telexed bids will not be accepted.
 - iii. Any bid received by the SIEHS after the date and time of tender opening will be rejected and returned as unopened to sender / bidder.
 - iv. Bids qualified by such vague and indefinite expression such as “subject to prior confirmation”, “subject to immediate acceptance” etc. will be treated as vague offers and rejected accordingly.
 - v. Bidder shall comply with all Pakistani Laws, permits, codes and regulation applicable to the bidder’s performance of services. Bid against the Government Rules and Policies, Conditional Bid, Ambiguous Bid or incomplete Bid and Bid without Bid Security will be rejected. No supplementary or revised offer after the opening of bids shall be entertained.
 - vi. In case of announcement of Public Holiday or any unfavorable circumstance, the bids will be opened on next working day. Other terms and conditions, venue and time for drop and opening will remain unchanged.
 - vii. In case of discrepancies between the Notice Inviting Tender (NIT) and the Bidding Documents, the Bidding Documents shall take precedence.

- viii. No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the bid validity period specified in the bid document.

3-B POST BID SUBMISSION

OPENING OF BID

1. The date for opening of bids and the last date for the submission of bids shall be as given in the bidding documents and in the tender advertisement. In case, the two dates are different, the date and time, given in the bidding documents shall apply
2. All bids shall be opened publicly in the presence of all the bidders, or their representatives, who may choose to be present in person, at the time and place announced in the invitation to bid
3. The Tender committee shall read aloud the name of the bidder and total amount of each bid, and of any alternative bids if they have been permitted, shall be read aloud and recorded when opened;
4. All bidders in attendance shall sign an attendance sheet;
5. All bids submitted after the time prescribed as well as those not opened and read out at bid opening, due to any procedural flaw, shall not be considered, and shall be returned without being opened;
6. The official chairing Tender committee shall encircle the rates and all the members of Tender committee shall sign each and every page of financial proposal;
7. The Tender committee shall issue the minutes of the opening of the tenders and shall also mention over writing or cutting, if any

EVALUATION OF BIDS

1. All bids shall be evaluated in accordance with the evaluation criteria and other terms and conditions set forth in the bidding documents
2. For the purpose of comparison of bids quoted in different currencies, price shall be converted into a single currency specified in the bidding documents. The rate of exchange shall be the selling rate prevailing seven working days before the date of opening of the bids specified in the bidding documents, as notified by the State Bank of Pakistan
3. A bid once opened in accordance with the prescribed procedure shall be subject to only those rules, regulations and policies that are in force at the time of issuance of notice for invitation of bids.
4. Tender committee shall announce the results of bid evaluation in the form of a report giving reasons for acceptance or rejection of bids. The report shall be uploaded on SIEHS website and intimated to all the bidders through email at least three (3) working days prior to the award of contract.

BID EVALUATION CRITERIA

S. No.	DESCRIPTION	Maximum Marks	REMARKS	
Technical Evaluation - 70 Marks				
1	Experience specifically for fabrication of Ambulance	+10 years' experience = 10 marks		
		8 to 10 years' experience = 8 marks		
		6 to 8 years' experience = 6 marks		
		Below 5 years = Not acceptable		
2	Compliance with each specification mentioned in scope of work	Fully complaint with the required specifications - 10 Marks		
		90% compliance = 8 marks		
		80% compliance = 6 marks		
		Below 80% = Not acceptable		
3	Technical Staff	Documentary proof required of technical staff	10	
4	Inspection and visit of at-least 02 Official of SIEHS to bidders manufacturing and assembling facility on bidder expenses	Inspecting officer will issue Marks /score	10	
5	Average annual turnover from last 3 years (2018-19, 2019-20 & 2020-21)	Less than 30 million	0	Auditor's certified financial statements for last 3 years or bank statement of the firm is required.
		Over 30 up to 40 million	5	
		Over 40 up to 60 million	10	
		Over 60 million	15	
6	In hand projects/assignment from 1st July 2021 to tender opening date	Less than 5 million	0	Relevant documentary evidence of the firm is required
		Over 5 up to 10 million	5	
		Over 10 up to 15 million	10	
		Over 15 million	15	
7	After sales service in Karachi which contains inventory components and technical staff	Will provide - Yes - 10 Marks will not be able to provide - 0 Marks	10	

Commercial Evaluation - 30 Marks				
8	Quote	Lowest will be get the marks	10	
9	Warranty	Minimum one year	10	
10	Completion of whole contract after approval of prototype	Over 90 days	10	Minimum the completion

Bidder must get minimum 70% marks on Technical Evaluation to qualify as per above-mentioned criteria.

For the purposes of determining the best advantageous bid, facts other than price such as previous performances, previous experience, OEM Authorization, quality assurance, expertise, financial soundness and such other details as Sindh Integrated Emergency and Health Services, at its discretion, may consider appropriate will be taken into consideration.

CLARIFICATIONS / CORRECTIONS OF BID

To assist in the examination, evaluation and comparison of the bids the committee at its discretion may ask the bidder for a clarification of its bid. The request for clarification and the response will be in writing via email and no change in the price or substance will be permitted.

Arithmetical errors will be rectified on the following basis:

1. If there is a discrepancy between unit price and total price that is obtained by the multiplying the unit price and quantity, the unit price shall prevail and total price shall be corrected. If there is a discrepancy between the words and figures the amount in words shall prevail. If there is a mistake in addition / totaling that can be corrected.
2. If the bidder does not accept the corrected amount of bid, his bid will be rejected and his bid security will be forfeited.

PENALTY

In case of delay or incomplete delivery beyond the given timeline or any extended period duly approved by SIEHS, 0.33% of total amount of the Purchase Order/Contract will be charged as penalty per day up to a maximum of 10%. In case if the delivery is still delayed beyond the extended timeline, SIEHS may resort to cancellation of the order with no liabilities towards SIEHS.

PAYMENT TERMS

Payment terms should be clearly mentioned on the bid document (if advance payment is required for then supplier / service provider has to submit bank / insurance guarantee of same amount). The validity of the guarantee should be at least 30 days above the delivery timeline. In case of delays, bidder will be required to extend the bank guarantee at its own cost. Bank guarantee will be encashed / process by SIEHS 4 working days prior to the expiry date incase extension is not made by the supplier.

PERFORMANCE SECURITY

The Successful bidder shall submit the Performance Security / Guarantee in the amount specified in the Bid Data Sheet in the shape of Pay Order or Demand Draft or a Bank Guarantee in favor of SIEHS issued by a scheduled bank in Pakistan valid for a period of thirty (30) days beyond the date of completion / expiry of the contract. No interest will be paid on Performance security.

5% amount of performance security will be retained for the period of 12 months' warranty.

REFUND OF PERFORMANCE SECURITY

After successful delivery of items on contractual period, Performance security will be returned within three months if not extended for further period.

FORFEITURE OF PERFORMANCE SECURITY

(a) In the event of failure to provide items/services as per Contract Agreement / Work Order within the stipulated period, the performance security may be forfeited.

(b) In that event, acquiring of the said items/services may be taken from the next lowest bidder vide the same Work Order at contractors risk and cost without any farther reference, so that the loss incurred would be recoverable from the Performance Security of the said contractor or from any sum due of which may become due to the contractors.

(c) If any equipment / instrument or property of SIEHS is damaged by the representative of approved firm, cost of the same will be deducted from the performance security money / pending bills of the contractor.

APPLICABLE LAW

The Contract shall be governed by the Laws of Pakistan and the Courts of Karachi - Pakistan shall have exclusive jurisdiction.

RESOLUTION OF DISPUTES

In the case of a dispute between the SIEHS and the Contractor, the dispute shall be referred to the dispute resolution mechanism of the SIEHS procurement policy.

A supplier, contractor or consultant being aggrieved by the decision of the Tender committee may seek relief through the mechanism of grievance redressal. Any bidder being aggrieved by any act or decision of the Tender committee after the issuance of notice inviting tender may lodge a written

complaint. The complaint redressal committee will announce its decision within seven days and intimate the same to the bidder within three working days.

RIGHT TO VARY QUANTITIES AND SPLIT ORDER

SIEHS reserves the right to increase and/or decrease the quantity and/or drop the any or multiple items/ services(s) originally specified in the Format for Quoting the Rates / Schedule of Requirements / BoQ without any change in unit price or other terms and conditions during the contract period.

COST OF TENDERING

The bidder shall bear all costs associated with the preparation and submission of its documents, while SIEHS in no case shall be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.

THIRD PARTY SERVICES:

If required, will be the responsibility of the bidder. Sindh Integrated Emergency and Health Services will not be a party to any such agreement between the bidder and any of its vendors, sub-contractor, if so.

CANCELATION OF CONTRACT

If the successful bidder fails to provide the satisfactory services, the SIEHS shall be entitled with the option to cancel the contract and recover the damages besides forfeiture of Performance Guarantee. SIEHS shall not be liable to any risks and costs whatsoever in consequence of such cancellation of the contract.

BID DATA SHEET

Company name	Sindh Integrated Emergency & Health Services (SIEHS)
Postal address / Head Office	Plot No. 43-15/K, Block 6, P.E.C.H.S, Karachi, Pakistan.
Procurement Focal person	Muhammad Noor Ali
Email address	procurement@siehs.org
Contact number	021-111-111-823, Ext 2006, 2022
Pricing mechanism	The price shall be fixed during the contract period.
Bid security	Amount of bid security should be 5% of the total bid price
Bid validity	Bid validity period shall be 60 days after opening of technical proposal
Deadline for bid submission	30-June-2022
Date, Time and Place of Technical Bid opening	30-June-2022, 3PM at SIEHS Head Office (address mentioned above)
Date, Time and Place of Financial Bid opening	11-July-2022, 3PM at SIEHS Head Office (address mentioned above)
Performance Security	10% of contract price for the provision of items. This amount will be returned to the supplier after satisfactory completion note from SIEHS.

ANNEXURE – A: DOCUMENTS CHECKLIST

Bids will comprise of following documents to be included in two separate sealed envelopes:

S. No.	Description	Envelopes	Tick Mark
1	Tender documents (company stamp on each page)	Technical Proposal	
2	Company Profile (services, company setup, offices & team structure)		
3	Customer Profile (clientele list with name, address, contact details and project details)		
4	Technical Proposal (scope of work, methodology, etc.)		
5	Proof of legal presence / registration of Company		
6	Copies of NTN, GST and SRB certificates		
7	Affidavit on legal paper for non-blacklisting of company (Annexure - B)		
8	Photocopy of the Bid security after hiding the amount.		
9	Filled SIEHS vendor registration form		
10	Declaration of self-obligation (Annexure - C)	Commercial Proposal	
11	Copy of last 3 year audited financial statement		
12	Copy of bank statement of last 3 year		
13	Commercial proposal / Quotation		
14	Bid Security of 5% bid value through DD / pay order in favor of Sindh Integrated Emergency and Health Services (NTN: 4979065)		

ANNEXURE – B:

AFFIDAVIT FOR NON-BLACKLISTING OF FIRM

(on Rs. 100 legal Paper) Affidavit

I, _____ son /daughter of _____,
adult, holding CNIC# _____, resident of

_____, do hereby solemnly
affirm and declare as under:

1. That I am the deponent of this affidavit and as such I am fully conversant with the facts here in.
2. That I am the representative of M/s. _____ (NTN# _____) having address:
_____.
3. That my firm has never been blacklisted by the government / semi government / authority / autonomous body or any corporation.
4. That I am not involved in any litigation with any organization government or semi government departments anywhere in Pakistan or abroad.
5. That I never indulged in corrupt, fraudulent or collusive practice for procuring contracts.
6. That whatever stated above is true and correct to the best of my knowledge and belief and nothing has been concealed or misrepresented.

Verified and Signed at (city) _____, on (date) _____

Attestation Authority

Deponent Name

Father Name and CNIC

ANNEXURE – C: DECLARATION OF SELF OBLIGATION

Declaration of Self Obligation

Date: _____

The Bidder shall provide the following declaration on Stamp paper of Rs 100:

“We underscore the importance of free, fair and competitive procurement process that precludes the fraudulent use. In this respect we have neither offered nor granted, directly or indirectly, any admissible advantages to any SIEHS employee or other persons in connection with our bid, nor will we offer or grant any such incentives or conditions in the present procurement process or, in the event that we are awarded the contract, in the subsequent execution of the contract. We also underscore the importance of adhering to minimum social standards and prevailing laws of Pakistan in the implementation of the project. We will inform our staff about their respective obligations and about their obligation to fulfill this declaration of undertaking and to obey the laws of the country of Pakistan”.

Company Stamp and Signature

Bid Format

Date: _____

Commercial proposal

QUOTE –

DESCRIPTION	Rate with Tax	TIME REQUIRED FOR PROCESSING (Working Days)
Fabrication of Ambulance Type I (Scope of work as per Annexure "D")		
Fabrication of Ambulance Type II (Scope of work Annexure "E")		

The above rates are inclusive of all taxes/duties/delivery charges etc.

Validity of Offer: 60 Days from date of tender opening

Payment terms: _____

Delivery time: _____

Company Stamp and Signature

ANNEXURE “D”

FABRICATION OF AMBULANCE - TYPE I – VEHICLE SPECIFICATION

1- PATIENT COMPARTMENT:

All below mentioned equipment should be manufacturer`s calibrated, along with specific dust covers.

PATIENT COMPARTMENT’s EQUIPMENT AND ACCESSORIES DETAILS:

- **Exterior Design:**
The exterior color theme along with necessary information for branding will be according to the details as mentioned in Annexure IA
- **Windows & Rear Wind Shield design:**
Transulant lamination on windows from inside the Patient compartment covering 2/3 of glass with high quality lamination paper.

- **Rear Cabin Floor:**

Vehicle Floor should be covered with Ply wood Sheet with half inch thickness. Water resistant material should be applied on the floor before the Ply wood is placed. It should be carpeted with, non-slip, non-staining, water proof and antibacterial flexible sheet made of non-directional PVC safety flooring made of Fiber reinforced scrim (one piece) vinyl sheet 2-3 mm thick. The flooring would cover all sides and gaps of the cabinetry making it completely water tight. Special hard points must be created for the Installation of chair, cabinet and bench etc. Other than these points floor would not be punctured for any installation. Stainless Steel 316 16SWG sheet should be installed on the floor designated as stretcher platform.

- **Partition Wall:**

A partition wall with small window (flip/flap glass) and a high RPM micro Blower (with a voltage regulator) placed in the window with the negative pressure side facing the drivers compartment would be given in between the driver`s and patient compartment. It should be made of FG fixed with steel sheet bracket of suitable thickness.

- **Internal Roof Lining:**

Roof Lining should be made of ABS material with FG ceiling

- **Molded Ceiling Center Panel**

Customized latest design center panel for ceiling with rounded edges, accommodating imported (non-Chinese) pair of short and a pair of long LED lights, with imported SS folding dual IV solution holder hooks and SS handle along vehicle’s length for gripping of attendants. It shall be molded and painted with 2K emergency pattern paint.)

- **Trash Box:**

Stainless steel trash box with 6-8 liters’ capacity, installed at the floor and with plastic removable and washable inner lining.

- **Humidifier bottle:**

Humidifier bottles of without filter. (Qty. X 02)

- Overhead Cabinet:

One overhead cabinet (FG material) should be made in the patient compartment right side along with full length of the vehicle.

- Side walls Panels:

All side walls in patient compartment should be made of FG material. All the gaps should be covered with Aluminum bidding or suitable material.

- Utility Panel:

At the right side of Patient Compartment, a Utility panel should be installed. It should contain all the controls of the utilities required for patient treatment. Mandatory items includes Outlets with: Oxygen alarm system, Oxygen cylinder's changeover system having one way check valve with a in line pressure gauge.

- Electrical System for Patient Compartment:
 - All additional wiring other than vehicle should be traceable & protected by high quality Fuse Box & Relays.
 - 12Volts DC Lights should be installed in Patient Compartment.
 - For operation of medical equipment 220V-240V sockets should be provided. An inverter (12V to 220V) of an actual output of 1200-1500watts should be installed. It has to be shock proof & isolated from the vehicle internal & external body along with the ventilation system.
 - 12 Volts Sockets: 3 to 4
 - 220 Volts Socket: 4
 - The 220/240 V circuit shall be protected either by an "earth leakage device" or the inverter should have a built in grounding system.
 - All circuits in the additional system(s) shall have separate overload protection.
 - The wiring and, where applicable conduits, shall withstand vibrations. No wiring shall be located in or pass-through conduit intended for medical gas installation.
 - All electrical wiring of ambulatory compartment would be within (plug in / plug out) the harness wiring without any joints.
 - All connector system and having a separate fuse box for each operation. All wires would be of 10mm, 8 mm and 6 mm size and would be of fire retardant and high temperature resistant material.
 - There would be a separate maintenance-free battery of 100 amps for ambulatory compartment which is to be charged through the vehicle generator.
 - There would be a 220 volts inlet and outlet sockets for outside source respectively. All wires should be QC Passed, insulated with schematic wiring diagram. Multiple purpose following extra sockets are also required.
 - Wiring panel must be separate from oxygen system.

- Charging Pin:

Suction Machine Charging Pin should be with a Male/Female connector. (QC-Passed)

- Warning lights & PA System:

Standard Light Bar of 1200mm length with Red & Blue LED Flash Light along PA system (100-150) watt, siren/hooter should be installed on the roof top of the vehicle.

- Three to Four Persons Bench:

04-person seat Assy. (Dimensions LXHXW 60"X3"X16") should be placed over the storage box open-able in two parts. Artificial leather, seat belts and cushioned back is a part of seat assy. One side bar made of 1" M.S powder coated pipe.

- Oxygen Supply System

New & Certified Oxygen cylinder from Pakistan Oxygen Limited of 10 liters should be installed in the vehicle.

Specification for Oxygen Cylinder:

- Working pressure: 150bar
- Test pressure: 250bar,
- Material: Aluminum & Brushed Steel, wall thickness: 4.1-4.5mm

Oxygen System specifications:

- Low oxygen alarm
- Changeover system
- Oxygen supply hose made of resilient, reinforced plastics to retain its flexibility in cold & un-crack able in heat up to 65°C with brass.
- The pressure regulator (Brass Regulator with British Bullnose and 1 x 9/16" Self Sealing DISS Outlets

(No Therapy Flow) with cylinders. Oxygen would be delivered through two outlets on the panel and, one outlet over the attendant bench (for additional patient) with flow meters and face.

- Oxygen Gauges:

Durable cylinder type Oxygen Gauges with dual settings with serial numbers imposed / imposing option. Two Separate gauges for oxygen monitoring should be placed in the utility panel.

Oxygen Section & Connections: -

- Portable Oxygen Cylinders:

Dual Interconnected Portable 3 liter Oxygen Cylinders with wash able Velcro or buckle type latch In/Out Locks

- Side Cabinet for AED, Patient Monitor and Suction Unit:

Side Cabinet should be installed under the utility panel with maximum storage capacity of following equipment

- AED
- Patient Monitor
- Suction unit
- Emergency Bag
- search lights
- One electrical socket in the shelf for accessories and other items.
- Ventilator (15 inch height)

Medical Cabinet (Painted in Imported Baking Paint Booth)

Medical cabinet made of high quality non-staining scratch resistant, rust proof, water proof fiber glass/ ABS material. All front doors & drawers having double side finished with self-retaining recessed handles. All doors having self-closable imported surface hinges. Cabinet shall have minimum 3 sections

- Mattresses:

Adequate Size of mattress with reference to the stretcher size should be placed in vehicle. Heat shrink water proof.

- Hand Wash Stand:

Rust Resistant Hand wash stand with refilling 500ml bottle.

- Paramedic Chair:

A fixed based Seat Assy. (with seat belt) should be installed near patient head. It has to be strong enough to bear the dynamic loading during vehicle movement.

- Wash Basin and Dust Bin:

Integrated wash basin (built-in pressure control valve) with top quality water tap and water reservoir with electric water pump and electric switch paddle operated for tap operations. Proper drainage system required for water drainage out of vehicle.

Stainless Steel Dust Bin with appropriate height should be placed in the cabinet.

BASIC EQUIPMENTS:

- Glucometer (Abbott):

Glucometer with 100 strips

- Self-Loading Stretcher:

Approved best quality Q/C passed stretcher

- BP Apparatus (Reister Germany)

One BP apparatus with wall mounted large dial type 5/6" with stethoscope and cuffs.

- Hand operated manual suction apparatus (CE certified)
- One portable BP apparatus with stethoscope
- Stitching Kit in Stainless Steel Tray:
- Needle holder (01).
- Artery Forceps (02).
- Toothed Forceps (01).
- Tissue Scissor (01).
- Sponge Holder (01).
- Dressing Scissor (01).
- Crepe Bandages small & large (02 each).
- Gauze Packs large (04).
- Silk 2/0 & 1 size 2 each with needle.
- Tourniquets (04).
- Inj. Xylo caine (05).
- Inj. Pethidine & Dicloran (02)
- Inj. Mexolon (02).
- Inj. Distill Water (04)
- D/Syringes 5cc (05).
- D/Syringes 10cc (05)

- One Folding Stretcher having Two Folds:

Bedding area made of very strong water resistant PVC coated washable orange parachute cloth with on it along with special carrying bag made of Parachute and structure made of 1¼" round light-weight aluminum alloy.

- Auto loading Stretcher:

Main Stretcher automatic loading type made of aluminum alloy/stainless steel frame with 4+2 loading wheel and adjustable head section. The mattress should be 2" thick with best quality foam, upholstered with best quality washable PVC coated Rexene with pillow and 2 safety belts and 2 side quads. Approx. size 6'3" x 1'9" (L x W) with 3' Ht. In Standing position and 1' Ht. in collapsible position. Locking system for stretcher at front and center at the stretcher and 16SWG S.S. sheet on the floor under his stretcher. Detachable IV rod with the stretcher.

- 1 - Load capacity is 200 kg with balancing uniformity.
- 2 - Required IV drip and portable oxygen cylinder stand.

- Spine Board with Head immobilizer:

A special B-bak, highly appreciated by rescue teams. The side handles should be translucent incorporating the elements, allowing easy buckling unbuckling operations for a fast and safe anchorage of the patient's restraints with carabineer.

- Dimensions: 405 x 45 x h1840 mm
- Weight: 6 kg
- Load capacity B-bak Pin: 180 kg [396 lbs.]

- Functioning temperature B-bak Pin
- From -20 to +60 °C [from -4 to 140 °F]
- The exclusive Contour head immobilizer should have the optimum head immobilization for traumatized patients.

Needle disposal box

Aluminum Bracket for proper installation

- Hand Search Light:

Rechargeable LED hand search light.

- Spot Lamp:

Spot Lamp with flexible neck for patient examination.

- Back Flood Light:

Back search light, adequate internal lighting for handling the patients at night.

- I.V Hooks:

Hooks for intravenous infusion will be part of the stretcher.

- Tissue Box Stand:

Rust resistant S.S roller tissue box stand X 02.

- S.S Holding Rods:

Roof top S.S holding rods with 3 - 4 flexible handles.

- Fridge:

A small fridge 8 to 12 liters with surging proof stabilizer.

- PROBES:

Extra probes with all monitoring specifications.

- Fire Extinguishers:

6 Kg inside PATIENT COMPARTMENT with built in stand.

OTHER ASSOCERIES AND DETAILS:

- A/C-Functionality / Operationally Performance
- Original roof top company fitted ducting without any modification. (With easy access maintenance reach for every individual duct)
- Ensure the availability of Isolating material between vehicle roof and fabricated sealing
- Battery: (for patient compartment) :
 - 55 Amps.
 - Dry with 12-to-18 Plates.
 - With Q/C and Load Test Pass.
 - Concealed -ve / +ve terminals with corrosion protected cover.
 - With water proof battery box.
- Emergency & Kojack Lights (Both):

For all four sides and front grill. Main & Back-Up (Properly design and placed with water drainage system to avoid corrosion/rusting and malfunction of lights)

- Additional Compartment & partitioned portion for;
 - Head Immobilizers.
 - Base.
 - Ambo Bags.
 - EKB (Emergency Kit Bag).
 - Face Masks / Gloves / Folded gown / Safety Glasses / Disposable sheets etc.
- LED Lights:

With 12Volts Driving Cabin lighter operated. (With 10 meter flexible Long Cable)

- Additional Requirement
 - Dash and reverse Camera

Front Fancy Safe Guard

High quality fancy safe guard for front bumper with imported chrome plate.

Annexure IA – Branding guidelines

Reflecting tapes and words of Ambulance on front and rear sides, name of organization on back, right / left sides and roof of vehicle written with reflecting vinyl stickers.

ANNEXURE “E”**FABRICATION OF AMBULANCE - TYPE II – VEHICLE SPECIFICATION****LEGENDS**

- PU: Polyurethane
- ABS: Acrylonitrile Butadiene Styrene
- FG: Fiber Glass
- MDF: Medium-density fiberboard

FABRICATION

- 1- Approx. rear cabin size:
 - Length: 9’
 - Width: 5.6’ – 5.9’
 - Height: 5 – 5.9’
 - The exterior canopy would be made of high quality and latest technology PU Material of appropriate thickness.
 - Two swing doors will be provided at the rear of the vehicle with sliding glass window.
 - One hood on the roof of the driver cabin of the vehicle to accommodate emergency bar light (Red/Blue) with high RPM micro blower with reverse suctioning. (There should be gap between hood and roof).
 - Emergency lights all around the body, front, sides, and back. (Properly design and placed with water drainage system to avoid corrosion/rusting and malfunction of lights)
 - No additional roof top spoiler required, all lights should be fitted in cabin body
 - Metallic safeguard required for ambulance to avoid front bumper accident.
- 2- Suspension System:

Special additional suspension system and traction bars will be installed for additional driving control and comfort.
- 3- Partition Wall:

Partition wall between the driver and patient compartment would be made of FG/ABS sheet fixed with steel brackets to side walls. A small window would be given in between the driver and patient compartment with a built-in place with sliding glass for communication.
- 4- Termite Free Flooring:

Special molded FG flooring which is Termite free. The floor would be carpeted with, non-slip, non-staining, water proof and washable special coating which includes special resin, plastic, flakes and final coating of transparent lamination / imported antibacterial (one piece) vinyl sheet 2-3 mm thick. The coating/vinyl would cover all sides and gaps of the cabinetry making it completely water tight. Non-Magnetic S/S 16 SWG sheet on the floor under the stretcher area.
- 5- Ceiling Panel Spoiler: It would be designed and manufactured using molded FG/ABS material. Molded FG/ABS spoiler will be installed on the ceiling which would have internal LED lights. Long grip handle along the length of ceiling made of non-magnetic SS/Aluminum properly reinforced and

option for holding two IV hooks with anti-swing belts. Air conditioning vents would be incorporated with in the ceiling for the patient compartment.

6- Side Utility Vertical Panel:

Made of ABS/FG molded material on the right side having the following items:

- Two outlets
- O2 alarm system
- O2 cylinder changeover system and one pressure gauge for line pressure.
- All switches and sockets for 12v & 220v.
- Rear cabin will have electric system with switches for LED lights. The switches would be durable and will be used to control lighting and fan.
- Tripping mechanism should be installed in rear cabin electrical system.

7- Electrical Wiring:

- All electrical wiring of ambulatory compartment would be of wiring harness system with no joint and taping special connectors should be used to ensure the quality and life of the wiring. The wires would be color coded and easily traceable along with a separate fuse for each operation. Wires would be fire retardant and high temperature resistant material.
- There would be a separate maintenance-free battery of 40 amps for ambulatory compartment which is to be charged through the vehicle generator. There would be a 220 volts imported inverter of 1200 to 1500 watts for ambulatory compartment.
 - The 220/240 V circuit shall be protected either by an "earth leakage device".
 - The Ambulatory compartment should have at least 4 number of 12 V sockets
 - All circuits in the additional system(s) shall have separate overload protection
 - The wiring and, where applicable conduits, shall withstand vibrations. No wiring shall be located in or pass-through conduit intended for medical gas installation.
- The wiring shall not be loaded higher than that stated by the wire manufacture.
 - Where there are different voltage systems, the connections shall be non-inter changeable.
 - All wires would be made of copper with fire retardant and high temperature resistant insulation material. All switches would be Rocker type & labeled, DC 12 V, 10 Amps made of rugged material with 02 USB ports and Voltage meter.
- Driver cabin and patient cabin will have industrial vehicle type Rocker Switches which are splash proof and easy to operate with gloves. Single rugged plate will feature all buttons needed to operate electrical components. Rocker Switches plate will also have voltmeter and 12v DC outlet.
- It is recommended that wiring panel must be separate from oxygen system without change in actual sizing of cabinets.

8- Three to Four Persons Bench

Made of 3" special polyurethane foam as used in automobile seats with approximate 16"width, made over a storage box made out of FG/ABS material and open-able in two parts(lower and upper). Heat sealed seat cover of best quality artificial leather, seat belts and cushioned back. One side bar made of 1" S.S pipe.

9- Oxygen Supply System

Brand new imported oxygen cylinders of 10 liters capacity duly tested, certified and filled by Government approved company. It would be equipped with Low oxygen alarm and changeover

system. Oxygen supply hose made of resilient, reinforced plastics/rubber to retain its flexibility and strength in hot and cold temperatures up to 65°C with brass sockets and connectors. The oxygen hose would be of medical grade and antistatic property. The line pressure gauge of cylinders would be imported "Panel A". Oxygen would be delivered through two outlets on the panel and one outlet over the attendant bench (for additional patient) with flow meters and face masks. The pressure gauge would be installed on the panel for monitoring line pressure.

10- One Person Crew Seat

One crew seat fixed to the body of the vehicle with waist seat belt at the head end of patient with best quality artificial leather/fabric. It would have adjustment for rotation and would have arm rest. The foam used would be of automobile grade.

Base of the chair should be of unbreakable material without any joint.

11- Medical Cabinet

Medical cabinet would be designed on the right side of the vehicle and made of high quality rust proof, water proof material. It would have enough space to accommodate all the medical and necessary equipment. All front doors & drawers must be made using molded FG/ABS material and would have double side finished with closing handles. All doors having imported surface hinges (SS Material). Cabinet having three sections. There should be no sharp edges.

- a- Oxygen Section: - To accommodate two M.F size O2 cylinders, would have molded ABS/FG brackets with easy locking. The door having plexi-glass window, an internal light with a door switch. Floor of cabinet matted with vinyl flooring.
- b- Drawers Section: Having 2 to 4 drawers (depending upon the size of vehicle). All drawers made of FG sheet material. All drawers having special self-closing & self-retaining catcher handle lock system (Imported Quality) which is not self-open-able during emergency driving.
- c- Wash Basin Section: - This section having special molded ABS/FG wash basin with tap, having a water reservoir of 10 to 16 Liters capacity. Water would be dispensable through an electrical pump operated with a cutoff switch with a timing of 15 seconds approx. Top of the cabinet having rounded edges & corners. One soap dispenser & one toilet roll holder to be provided.

12- Warning Cabinet for IV Fluids

A thermostatically controlled cabinet will be provided to keep the IV fluids at 37 degrees temperature so that paramedics can use it without delay in emergency situation.

13- Side Cabinet for Space of AED & Suction Unit

Made of completely FG/ABS material (in Semi-Gloss Finish) on the right side of the vehicle, one top shelf to accommodate monitor, emergency bag, search light all having special brackets, lower shelf having space of suction unit, there should be shelf with electrical socket for accessories and other items. This side cabinet/shelf will be a part of main cabinet.

14- Overhead Cabinet

- One overhead cabinet made of FG/ABS material on right side of the vehicle having space for storage.
- Overhead boxes with sliding frosted plexi-glass doors and lower cabinet with open boxes to accommodate AED, Monitor, Emergency Bag, Suction unit, search lights and other equipment/ accessories.

- Oxygen Section to accommodate two parallel placed ten liters size oxygen cylinders, with rubber padded double steel brackets; an internal light with a door switch; floor of cabinet matted with vinyl flooring.

BASIC EQUIPMENTS:

1- Spine Board with Head Immobilizer (Imported)

- Floatable spine board that reduces the possibility of contamination during transportation of the patient. High density completely recyclable polyethylene, molded into a unique, one piece shell; this technique guarantees the b-back.
- The exclusive head immobilizer has been studied to assure the optimum head immobilization of traumatized patients.

2- Burn Kit in Box: Kit having following items:

- Sofratule 10 packs
- 10 water gel/burn gel dressing (10x10 cm)
- 5 sterilized gauze (4x4)
- 2 silver sulfasalazine creams
- 2 xylocaine gels
- 2 burn lotions
- 2 burn sheets
- Bandages of size 4"
- One angular scissor
- 2 medical tapes of size 1"

3- Bleeding Kit Packed in Kidney Tray: bleeding kit packed in kidney tray having following items:

- Kidney S.S 8" needle holder (01)
- Artery forceps (02)
- Toothed forceps (01)
- Tourniquets (04)
- Tissue scissor (01)
- Sponge holder (01)
- Dressing scissor (01)
- Crepe bandages small & large (02 each)
- Gauze packs large (04)
- Catgut 2/0 (05)

4- AMPUTATION KIT IN STAINLESS STEEL TRAY

- Saw cutter (01)
- Needle holder (01)
- Artery forceps (02)
- Toothed forceps (01)
- Tissue scissor (01)
- Sponge holder (01)
- Dressing scissor (01)
- Crepe bandages small & large (02 each)
- Gauze packs large (04)
- Silk 2/0 & 1 size 2 each with needle
- Tourniquets (04)
- inj. xylocaine (05)
- inj. sosegon (02)
- inj. dicloran (02)
- inj. maxolon (02)
- inj. distilled water (04)
- D / syringes 5cc, 10cc (05 each)
- Antiseptic wipes 01 box
- Quick clot for immediate stop to perfuse bleeding 01,
- Haemostatic gauze one box of 50 pcs.

5- ONE FOLDING STRETCHER TWO - FOLD

Bedding area made of very strong water-resistant PVC coated washable orange parachute cloth with rescue 1122 printed on it and special carrying bag made of parachute and structure made of 1¼" round light-weight aluminum alloy

6- TRAUMA FIRST AID BAG

One rucksack type trauma first aid bag made of strong water resistant PVC coated washable red parachute cloth with yellow reflective strips SIEHS printed on it with appropriate placement for and including the following items: -

- Wooden splints (2)
- Crepe bandage (4"=01
6"=01)
- N/saline 0.9% (01)
- Pyodine solution (01)
- Dressing scissor (01)
- Cicatrin powder (01)
- 4x4 gauze pad (04)
- Sticking 1" (02)
- Antiseptic wipes 01 box.

7- ONE AIRWAY MANAGEMENT BAG

It would be made of strong water resistant PVC coated washable red parachute. Cloth with yellow reflective strips SIEHS printed on it with appropriate placement for and including the following items:-

- Ambo bag having special valves which should limit the excessive flow of gas into the patient airway significantly reducing the risk of gastric insufflations by effectively lowering the airway pressure generated. (CE certified)
- Hand operated manual suction apparatus (CE certified)
- One portable BP apparatus with stethoscope
- Silicon laryngeal mask of 3 variable sizes with transparent tube. (3 sizes)
- Laryngoscope with four curved blades
- One professional led torch.
- Color coded airways of assorted sizes (1 set)
- Mouth opener
- Sterilized disposable gloves (04)
- Contaminant bags (04)

8- GLUCOMETER

- Glucometer (Abbott) with 50 strip

9- ULTRASONIC NEBULIZER (Beurer IH-55)

Ultrasonic nebulizer with rechargeable battery

- for the treatment of the upper and lower respiratory tract
- for use in colds, asthma, respiratory disease
- can be disinfected
- high nebulization capacity (>0.4 ml/min) - short inhalation time
- high proportion of respirable particles
- state of the art medical technology: nebulization through high-frequent ultrasonic
- replacement medication container
- mains and battery operation
- automatic switch-off function after 10 min
- accessories: adult mask, children's mask, extension tube, battery, protective bag

10- ADDITIONAL ACCESSORIES

- a. One portable aluminum oxygen cylinder of approx. two liters capacity with flow-meter in carrying bag with re-filling valve.
- b. One BP apparatus with wall mounted large dial type 5/6" with adult & peds cuffs imported Panel A with stethoscope.
- c. Adjustable neck collars (adult & pediatric- one each), x-ray compatible, compatible with CT scan and MRI investigation. 01 each. (panel A & CE certified)

- d. One mercury thermometer, ampule & syringe cutters.
 - e. Two personnel EMT kits attachable with the belt having 01 scissor, 01 forceps, 01 pen light, 01 face mask, 01 CPR mask and 01 tourniquet.
 - f. Plastic urinals for male and female.01 each.
 - g. Disposable gloves (100 pieces) 02 boxes, 10 disposable CPR mask & 2 tissue paper box.
 - h. One multi-purpose tool made of hardened steel, light weight saw, can opener/grasper, bolt opener, Ultra sharp trimmer knife, oxygen bottle opener, angle cutter and scraper.
 - i. One seat belt cutter with hard impact glass breaker.
 - j. Collapsible safety cones with reflectors.
 - k. Triage ribbons contained in a waist pouch with belt.
- 11- Disinfection System (Fog Machine)
Special interior Disinfection System for quick and frequent disinfection of patient compartment.
- 12- GENERAL ITEMS
Caution sign tape roll (03)
- 13- FIRE EXTINGUISHERS
6 kg dry chemical powder type to be placed in a special molded case.
- 14- TRASH BOX
Stainless steel with 6-8 liters capacity, attached to the floor and with plastic removable and washable inner lining.

OUTSIDE DESIGN:

Reflecting tapes and words ambulance on front and rear sides, name of institution on back, right & left sides and roof of vehicle written with reflecting vinyl stickers (panel a) as approved by institution.

EXTERNAL & INTERNAL LIGHTS & WARNING DEVICES

Special spoilers made of fiberglass material for front and rear roof top to accommodate emergency bar light and PA system with siren/hooter system of at least 100/150 watt output. All external and internal lighting should be LED's, Flood light at the back and two on both sides. There would be adequate internal lighting for operation at night.

ADDITIONAL REQUIREMENT

- Exhaust fan should be placed in walls if required.
- Water proof seats are required
- Floor should have proper drainage system
- Space required for mini fridge
- Advanced shock absorber system is required
- Dash and reverse Camera.