

NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority under Government of West Bengal)

Plot No.DG/13, Premises No. 04-3333, Action Area-ID,
New Town, Kolkata -700156

Ph. No. 033-3505-0000 (ext 109) Email Id: paul_tarit@rediffmail.com

Memo No. 5232 /SE/NKDA/2025-26

Date: 30/06/2025

NOTICE INVITING e-TENDER NO.- 04/NKDA/SE-ELEC/2025-26

Hiring of 1(one) Advance Life Support Ambulances for New Town Kolkata Development Authority (NKDA), New Town, Kolkata along-with Driver, Para-Medical staff and Helper, for 02 years.

The Superintending Engineer, on behalf of the New Town Kolkata Development Authority (NKDA), invites online bids (e-Tender) through the West Bengal Government e-Procurement portal (<https://wbtenders.gov.in>) from eligible and qualified agency or authorized dealers for Hiring of one (1) state-of-the-art Advanced Life Support (ALS) Ambulance equipped with Intensive Care Unit (ICU) facilities, complete with all specified medical equipment, accessories adhering to the technical specifications detailed in Section III (Schedule of Requirements) and compliant with all applicable Government of West Bengal rules and regulations, along-with Driver, Para-Medical staff and Helper.

Intending bidders are required to download the Bidding Documents from the e-Procurement portal <https://wbtenders.gov.in>. Bids must be submitted online through the same portal.

- Item Description:** Hiring of one (1) state-of-the-art Advanced Life Support (ALS) Ambulance with ICU facilities, compliant with AIS-125 standards and equipped as per detailed technical specifications along-with Driver, Para-Medical staff and Helper.
- Tenure of Hire: 02 (Two) Years**
- Earnest Money Deposit (EMD):** An EMD of Rs. 10,000/- (Rupees Ten Thousand) only must be submitted online through the e-Procurement portal as per the procedure laid down in Finance Department, Government of West Bengal Memorandum No. 3975-F(Y) dated 28.07.2017 and subsequent relevant orders. Bids without the requisite online EMD submission will be summarily rejected.
- Bid Submission:** Bids must be submitted online in two parts: Technical Bid (Cover-I, containing scanned copies of required documents as specified in Section II) and Financial Bid (Cover-II, containing the Financial offer in the prescribed format). Both covers must be submitted concurrently online through the designated portal.
- Key Dates (Tentative - To be finalized and published on the portal):**

Sl. No.	Particulars	Date & Time
1	Date of Uploading/Publishing of NIT & Documents	30.06.2025 at 2.00 PM
2	Document Download Start Date	01.07.2025 at 10.00 AM
3	Pre-Bid Meeting Date & Venue	03.07.2025 at 4.00 PM, At the Office of the Chief Executive Officer, NKDA, 4 th Floor, New Town Kolkata

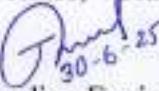
		Development Authority, DG/13, New Town Kolkata -m 700 156
4	Bid Submission Start Date	05.06.2025 at 10.00 AM
5	Bid Submission Closing Date	16.07.2025 up to 4.00 PM
6	Technical Bid Opening Date	18.07.2025 after 4.30 PM
7	Technical Evaluation & Demonstration (if required)	To be notified later
8	Financial Bid Opening Date	To be notified later

6. Eligibility Criteria: Bidders must meet the eligibility criteria outlined in Section II (Instructions to Bidders) and Section III (Schedule of Requirements).

7. Contact Person for Queries: Superintending Engineer, 3rd Floor, New Town Kolkata Development Authority. Mob No: 98836 51629

8. General Conditions:

- a) NKDA reserves the right to accept or reject any or all bids without assigning any reason thereof.
- b) Bidders are advised to carefully read the entire tender document and ensure compliance with all terms, conditions, and specifications.
- c) Any attempt to canvass or influence the evaluation process will lead to immediate disqualification.
- d) All formalities must adhere strictly to the Government of West Bengal rules, regulations, and Finance Department orders, including the West Bengal Financial Rules, Volume-I (as amended).

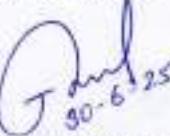

30-6-25
Superintending Engineer
Newtown Kolkata Development Authority

Memo No: 5232 /1(14)/SE/NKDA/2025-26

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Copy forwarded for information to-

1. The Member Secretary, NKDA
2. The Chief Executive Officer, NKDA
3. The Chief Engineer, NKDA.
4. The OSD & Administrative Officer (SW), NKDA.
5. The OSD & Administrative Officer (GE), NKDA.
6. The Executive Engineer, Electrical, NKDA.
7. The Finance Officer, NKDA.
8. The PA to the Hon'ble Chairman, NKDA.
9. The Media Officer, Department of Information and Cultural Affairs, Writers Buildings, Kolkata-700001
10. NKDA Website for uploading the Notice.
11. Notice Board.


30-6-25
Superintending Engineer
Newtown Kolkata Development Authority

SECTION II

INSTRUCTIONS TO BIDDERS (ITB)

This section provides information to assist potential bidders in preparing their bids. Bidders must adhere strictly to these instructions.

1. Scope of Bid: NKDA invites bids for the Hiring of one (1) state-of-the-art Advanced Life Support (ALS) Ambulance with ICU facilities, as detailed in Section III (Schedule of Requirements) along-with Driver, Para-Medical staff and Helper (round the clock, i.e. for 03 shifts), for 02 years.

2. Eligible Bidders:

- a) The bidder must be an Indian-based agency having the Experience of having successfully supplied/rented ALS Ambulances within the last five (5) financial years (FY 2022-23, 2023-24, 2024-25) to any Government Department/ Semi-Government Organization/ Public Sector Undertaking/ Hospitals (Govt or Private) (PSU) in India. Documentary evidence (e.g. Work orders, Agreement etc.) must be provided.
- b) The bidder must possess valid GST registration, PAN card, and Professional Tax registration/clearance certificate.
- c) Valid Trade License.
- c) The bidder must furnish Income Tax Return for last 03 years.

3. Cost of Bidding: The bidder shall bear all costs associated with the preparation and submission of their bid. NKDA will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

4. Bidding Documents: The Bidding Documents comprise:

Section I: Notice Inviting e-Tender (e-NIT).

Section II: Instructions to Bidders (ITB).

Section III: Schedule of Requirements (including Technical Specifications).

Section IV: Bidding Forms (BDF) - Any addenda/corrigenda issued by NKDA. Bidders are expected to examine all instructions, forms, terms, and specifications in the Bidding Documents. Failure to furnish all information required or submission of a bid not substantially responsive to the Bidding Documents in every respect will be at the bidder's risk and may result in the rejection of the bid.

5. Amendment of Bidding Documents: At any time prior to the deadline for submission of bids, NKDA may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the Bidding Documents by issuing an addendum/corrigendum. Any addendum/corrigendum issued shall be part of the Bidding Documents and will be published on the e-Procurement portal (<https://wbtenders.gov.in>). Bidders are advised to check the portal regularly for updates.

6. Language of Bid: The bid prepared by the bidder, as well as all correspondence and documents relating to the bid exchanged by the bidder and NKDA, shall be written in the English language.

7. Documents Comprising the Bid: The bid must be submitted online in two parts (Technical Bid and Financial Bid) through the e-Procurement portal.

a) Technical Bid (Cover-I): Shall contain the following documents, scanned and uploaded in the designated sections/folders on the portal:

- i. **Statutory Documents:** Scanned copies of GST Registration, PAN Card, Professional Tax Certificate, Trade License, Income Tax Return (last 3 years).
- ii. **Non-Statutory Documents (My Space/Technical Cover):** - EMD Submission Proof (Online transaction receipt), Bidder's Undertaking (Form-1), Bidder's Experience Certificates (as per Clause 2a), Technical Compliance Statement (Form-2) confirming adherence to all specifications in Section III and all medical equipment, Statement of number of Ambulance rented/ supplied (Form-3).

b) Financial Bid (Cover-II): Shall contain the Bill of Quantities (BoQ) / Price Schedule to be filled online in the prescribed format. Prices must be quoted in Indian Rupees (INR) only. The price should be inclusive of the cost of Rent of the ALS Ambulances including all specified medical equipment, accessories, installation along-with deployment of round the clock Driver, Para-Medical staff and Helper. All applicable taxes (including GST), duties, levies, should be included in the quoted rate. No conditional discounts shall be considered.

8. Bid Prices: The bidder shall quote the total price for the complete ambulance unit as specified. Prices quoted must be firm and final and shall not be subject to any escalation or variation during the period of contract validity, except for statutory variations in taxes and duties, if applicable and clearly demonstrated.

9. Earnest Money Deposit (EMD): As specified in Section I. Bids not accompanied by proof of online EMD submission shall be rejected. The EMD of unsuccessful bidders will be refunded online as per government norms after the finalization of the tender. The EMD of the successful bidder will be returned after the submission of the Performance Security.

10. Bid Validity: Bids shall remain valid for a period of 180 (One Hundred Eighty) days after the date of Technical Bid opening prescribed by NKDA. A bid valid for a shorter period shall be rejected as non-responsive.

11. Submission of Bids: Bids must be submitted online through the e-Procurement portal (<https://wbtenders.gov.in>) on or before the closing date and time specified in Section I. Late bids will not be accepted by the portal. Bidders are responsible for ensuring timely submission.

12. Opening of Bids: a) **Technical Bids (Cover-I):** Will be opened online by NKDA officials at the time and date specified in the notice. b) **Financial Bids (Cover-II):** Will be opened online only for those bidders whose Technical Bids are found to be substantially responsive and technically qualified after evaluation by NKDA. The date and time for opening Financial Bids will be notified later to the technically qualified bidders.

13. Evaluation of Bids: a) **Preliminary Examination:** NKDA will examine the bids to determine whether they are complete, whether required EMD has been furnished, whether the documents have been properly signed, and whether the bids are generally in order. b) **Technical Evaluation:** Bids found preliminarily responsive will be evaluated based on compliance with the eligibility criteria and technical specifications. NKDA may seek clarifications from bidders or require physical demonstration of the proposed ambulance model or equipment at the bidder's cost. Bids not conforming to the required technical specifications will be rejected. c) **Financial Evaluation:** Financial Bids of technically qualified bidders will be opened and compared. The evaluation will be based on the total price quoted in the BoQ.

14. Award Criteria: Subject to the right of NKDA to accept or reject any bid, the contract will be awarded to the bidder whose bid has been determined to be substantially responsive, technically compliant, and evaluated as the lowest price (L1), potentially after applying price preference rules as applicable under West Bengal Government orders.

15. NKDA's Right to Vary Quantities: NKDA reserves the right at the time of contract award to increase or decrease the scope of work specified in the Schedule of Requirements without any change in unit price or other terms and conditions.

16. Notification of Award & Signing of Contract: Prior to the expiration of the period of bid validity, NKDA will notify the successful bidder in writing (Letter of Award - LoA) that its bid has been accepted. The successful bidder shall sign and return a duplicate copy of the LoA as acknowledgement within seven (7) days of receipt. Subsequently, a formal contract agreement incorporating all terms and conditions will be executed between NKDA and the successful bidder.

18. Payment Terms: Payment will be made by NKDA subject to the following conditions: a) No advance payment shall be made. b) Rental payment shall be made Quarterly upon successful providing and operating of the ambulance with all equipment on submission of invoices in triplicate along with the.

19. Delivery Schedule: The complete ambulance unit must be provided at the office premises of NKDA or at the location specified by NKDA within 7 (seven) days from the date of issuance of the Letter of Award (LoA) or Work Order.

20. Liquidated Damages (LD): If the supplier/ agency fails to provide the ambulance within the stipulated delivery period, NKDA shall, without prejudice to its other remedies under the contract, deduct from the contract price, as Liquidated Damages, a sum equivalent to 0.5% of the contract price for each week of delay or part thereof, up to a maximum deduction of 5% of the contract price. Once the maximum is reached, NKDA may consider termination of the contract and forfeiture of EMD. The imposition of LD does not absolve the supplier/ agency from its obligation to complete the delivery or from any other obligations under the contract.

21. Warranty: NA

22. Inspection and Tests: NKDA or its representative shall have the right to inspect and/or test the goods to confirm their conformity to the contract specifications at no extra cost to NKDA. This may include pre-dispatch inspection at the agency's premises and post-delivery inspection at the site. The agency shall provide all reasonable facilities and assistance for inspection and testing.

23. Governing Law and Jurisdiction: The contract shall be governed by the laws of India. Any disputes arising out of or in connection with this contract shall be subject to the exclusive jurisdiction of the courts in Kolkata.

24. Compliance with Government Rules: The entire process and the resulting contract shall strictly adhere to the West Bengal Financial Rules, Volume-I (especially Rule 47, 47A, 47B as amended), Delegation of Financial Powers Rules, relevant Finance Department orders, and other applicable rules and regulations of the Government of West Bengal.

25. Packing & Insurance:

i) The ambulances will be provided at the destination in perfect condition. The firm if so desires may insure against loss by theft, destruction or damage during transit under exposure to weather or otherwise in any situation. The insurance charges will have to be borne by the agency and the authority shall not be required to pay any such charges, if incurred.

ii) The firm shall be responsible for avoiding damages under normal conditions of road transport and will deliver in good condition to the Parking Space, located at the Administrative Building of Newtown Kolkata Development Authority, DG/13, Action Area ID, New Town, Kolkata – 156 or any other place within New Town as directed by the Chief Executive Officer, NKDA. In the event of any loss or damage to the ambulances during transit, agency shall be liable for repair and replace the ambulances at destination after the Checking/inspection of ambulances by the authority. No extra cost on such account shall be admissible.

26. Incidental Services:

The supplier shall be required to perform the incidental services for smooth operation of the Ambulance free of cost.

27. Rejection:

- The Ambulance not as per specification/or not approved shall be rejected by NKDA and will have to be replaced by the agency at its own cost, within the time limit fixed by NKDA.
- The Ambulance shall be of the best quality and conforming to the specifications, trademark laid down in the schedule attached to agreement and in strict accordance with and equal to the approved standards. The decision of tender accepting authority, NKDA will be final and binding upon the bidder.

In case the ambulance is not found as per specification or declared sub-standard/spurious as they shall be liable to rejected and any expenses of loss caused to the agency as a result of rejection of supplies shall be entirely at his account.

iii. If, however, due to exigencies of Government work/interest such replacement either in whole or in part is not considered feasible, the prices of such works will be reduced suitably. In cases, where material has been used & some defect are noticed then the firm can be allowed to rectify/replace defects in portion of such defective material. The prices fixed by Chief Executive Officer, NKDA, shall be final in such cases.

iv. No payment shall be made for defective base vehicles/ medical accessories/ equipment and poor services. However, if payment has been made, then the agency/ firm shall remove and replaces defective material with proper materials as per specifications. If the payment has not been made, the firm should remove and replaces defective material prior to making the payment.

Schedule of Requirements

Technical Specifications of Advance Life Support Ambulances

1.A Generic vehicle parameters

- a) Category of the vehicle: M2 & M3
- b) Type of Fuel: Diesel
- c) Vehicle emission Compliance: BSVI, OBD-II
- 1) Engine Capacity: Not less than 2000 c.c.
- 2) Ground Clearance: Not more than 200 mm.
- 3) Kerb weight: Not less than 2090 kg.
- 4) Overall length of the Patient compartment: Not less than 3190 mm.
- 5) Overall width of the Patient compartment: Not less than 1630 mm.
- 6) Overall height of the Patient compartment: Not less than 1800 mm.
- 7) Types of Steering -Power
- 8) Turning Radius of the vehicle: Not more than 6800 mm.
- 9) Overall length of the vehicle: Not less than 5540 mm.

1. B LIST OF MEDICAL EQUIPMENTS FOR ADVANCE LIFE SUPPORT AMBULANCE

- a. **Patient Cabin:** Patient examination light should be 1650 Lux minimum, measured at the stretcher surface in its lowest position. The minimum distance of the measurement shall be 750 mm below the light and in an area with a minimum diameter of 200mm.
- b. **Patient Cabin:** IV bottle hook with bottle holder (two numbers)
- c. **One Spine Board** should be complaint with product standards such as EN-1865 and should be manufactured by ISO-13485 certified manufacturers. All certificates should be from accredited/notified bodies.
- d. **Ambulance Cot** –Auto loading stretcher (Length-1850 mm x width-530mm) with two quick release patient restraints as per AIS-125, Part-1 is mandatory.
- e. Two nos. D-Type Medical Oxygen Cylinder (Rama-D/Luxfer/EKC-D/linde)
- f. One Aluminum portable Oxygen Cylinder with capacity of 2.2 liters. With Medical Grade Certified (European CE/US FDA) pressure regulator with integrated flow meter and pressure port for delivery mask (MoX)
- g. **Multichannel Patient Monitor cum Defibrillator with AED Pad Extension Cable**
Multipara with AED, NIBP, SPO2, ECG, EtCO2 (optional) Make & model- Philips DFM-100/Schiller -Defigrad 400
- h. **Transport Ventilator** – Resmed Astral 150 with Fio2 (Invasive Mode with PS & CPAP, Niv circuit with different size mask).

- i. **Suction pump** – Dvibliss (Model-7314 Vacuaid)
- j. **Syringe pump** – Skanray FloSkan (2nos)
- k. **GAS SOURCE:** Complete gas pipelining with tubing embedded in panel having superior STAINLESS -STEEL outlet points for oxygen (1 no. 02 out let for oral mask and 1 no. 02 out let for ventilator) with Rail mounting systems (RMS) for loading and unloading the 2 nos. of "D" type bulk cylinders. (cylinders are not included) Low 02 Alarm, 02 Cylinder pressure Manometer and 0.20micron dust filter.
- l. **Patient Cabin:** S. S. Wash basin, electrically foot switch operated with Fresh Water Storage Tank & waste water tank (Total Capacity 20-25 litter)
- m. **Wheel Chair** - Made from high quality aluminum alloy with superior stability - Net weight less than 10 Kgs)
 - 4 position leg adjustment which can be folded into a chair (93cmx51cmx16cm)
 - Collapsible side rails to facilitate placement of patient onto the stretcher.
 - Comes with sidebar locking bracelet.
 - Includes two restraint belts to secure the patient.
 - Loading Weight- 160kg-180Kgs

2. Medical Accessories related to patient

A seat for the Doctor/Paramedic should be installed facing towards the rear of the patient compartment & it should be near to the primary patient's head for easy accessibility. This seat should have adequate restraints for the passenger and should be fitted with foldable arm rests.

A Squad bench with backrest suitable to accommodate minimum four sitting patients or folding/scoop stretcher shall be installed along the side wall. A minimum 50mm thick high-density cushion to be provided for comfort. The squad bench should be upholstered with waterproof washable cover and should have adequate restraints for the sitting patients as well as the stretcher.

Grab Rail made of stainless-steel pipe with proper support / fixing, for ease in entering shall be installed in the ceiling. Minimum two IV hooks or holders to be provided at suitable locations to ensure proper patient care.

A reliable, robust & easy to use Sterillium /Bactorub /equivalent alcohol-based hand rub dispenser supporting standard off the shelf bottles of minimum 500ml capacity should be provided at a suitable location which should be within easy reach of the doctor/paramedic.

Concealed portable dust bins for waste disposal should be provided at suitable locations.

Two numbers of **multipurpose fire extinguishers of ABC Type** (ISI marked & conforming to BIS: 15683-2006 or latest) duly filled, capacity and quantity as per the provisions of Central Motor Vehicle Rules 1989 should be provided. One fire extinguisher shall be placed in the Driver's cabin and the second in patient's compartment, at appropriate location, where it is easily visible and symbolized.

All fitments/equipment/outlets/switches/storage spaces, etc. in the patient compartment should be permanently & clearly labelled in English. The font used should be easily readable and in contrasting colour of the background.

Driver Cabin Fan-Two 12V DC operated high quality and minimum 6inch sweep wall mounted fans in the driver cabin.

Patient Cabin fan- At least three 12V DC operated high quality and minimum 6inch sweep wall mounted fans in the patient cabin.

VLTD-Vehicle Location Tracking Device (VLTD) should be fitted in all ALS Ambulances as per provision the motor vehicle Rules in force.

3 Oxygen Delivery System-Central pipe line for Oxygen

The ambulance shall have piped medical oxygen system (manifold) capable of storing and supplying medical grade oxygen. The manifold should have two oxygen cylinders which should be at least D-type and should be housed outside the patient compartment.

The cylinders attached to the manifold should be individually changeable from outside the patient compartment and a cylinder changing wrench should be housed at an appropriate location. The manifold should be so designed that it shall ensure proper fixation of cylinders during travel and should ensure easy cylinder changing and positioning. There should not be any electrical connection in near vicinity or inside the oxygen cylinder housing, except pressure regulator integrated with flow control valve.

These cylinders should be individually connected to a pressure regulator each in such a way that one-cylinder acts on duty and the other as a stand-by. Both these regulators should be capable of reducing the cylinder pressure to a static outlet pressure of 4.12 bars / 60 psi and should include a safety relief valve and a locking mechanism to prevent settings from being inadvertently changed. It should maintain accurate readings and calibrations during ambulance operation and not be affected by the temperature conditions. Changing from one cylinder to the other should not affect the distribution pressure in any way and this changeover should occur manually. In case of manual change over, an audible and visual alarm system to be provided when the duty cylinder is getting empty.

The patient cabin must have a digital/mechanical display for oxygen supply status. The display panel should be certified for use with Medical Oxygen and should have three individual values displayed so as to constantly indicate the pressure level of both the cylinders as well as the distribution pressure level.

Minimum two medical oxygen outlets for the primary patient, flush with right side wall (distance between patient head and oxygen outlets to be less than 890mm) to be provided.

These duplex outlet stations should be certified for medical oxygen and should be appropriately labelled. Oxygen outlet stations shall be installed with sufficient vertical & horizontal space to accommodate attachment of flow meters, humidifiers, and nebulizers.

The oxygen outlets should be universal in design to be able to accommodate the probe of the oxygen flow-meter and the probe of the driving gas hose of the ventilator directly in one single action without any intermediate connectors and adapters.

4.A General Vehicular Design and Floor Plans

The ambulance should be designed, built and complete with operating accessories as specified herein. The assembly, sub-assembly and equipment should be integrated in such a way so as to enable the vehicle function in a reliable way and in a sustained fashion with durability and ensuring safety and comfort to patient and team.

The design of the vehicle and the specified equipment shall permit accessibility for servicing / replacement and adjustment of components / parts and accessories, with minimum disturbance to other components and systems. Also, the bidder shall ensure that sufficient reinforcement is provided to protect the components, assemblies, pipelines, tubing, wirings, etc. which are susceptible to damage / hazards encountered during on-road, off road operations of ambulance.

The Advance Life Support Ambulances, equipment, devices, medical accessories and electronic equipment should be brand new standard commercial products, tested and certified to meet the specifications. The bidder should enclose all necessary brochures, certifications and proofs in this regard along with the technical bid. The technical bid evaluation committee shall base its opinion on the enclosed documentary proofs with regards to compliance with the specifications asked for and may summarily reject the technical bid if adequate supporting documents are not enclosed with the technical bid or any of the furnished documents are found to reflect factually incorrect information. The technical bid evaluation committee reserves the right to ask for additional information if necessary.

4.B Vehicle Operation, Performance and Physical Characteristics

AIS 125 Certified base vehicles as ambulance with all equipment and fitments loaded should fully comply with all requirements of CMVR (as per the latest amended applicable on the date of submission to the test agency). A certificate in this regard from any of the testing agencies specified in CMVR, 1989 should be furnished. The bidder shall bear all costs related to CMVR certification of the complete prototype ambulance, if any. To provide for maximum safety, the manufacturer/fabricator shall locate vehicle mounted components, equipment and supplies in such a way so as to provide a vehicle that is laterally balanced and has front / rear loading that is proportional to axle loading.

A tolerance of $\pm 5\%$ shall be permissible in all dimensions / values mentioned in this document except in case of statutory requirements or parameters critical for patient care.

Footsteps should be provided appropriately, if the patient compartment floor is more than 46 cm above the ground. This step should have transverse length equivalent to the door opening. If there is more than one step, the steps should be equidistant. The steps shall not be located or exposed to the interior of the ambulance, even when the rear door is closed. The step tread shall have minimum clear depth of 130mm and max. depth of 270mm. If the steps protrude more than 18 cm from the rear of the vehicle, fold-up steps should be provided. Footsteps if folding in nature must be linked to the respective door of the patient compartment and must fully deploy automatically when the said patient compartment door is opened.

4.C Wireless & GPS System

Suitable provision to be made for fitment of wireless and GPS equipment in Advance Life Support Ambulance and including electrical requirements. (Excluding GPS system)

4.D Ambulance Body Structure

Ambulances built on chassis-based vehicles or Monocoque *chassis the exterior construction of patient compartment should* be of joint less single panel or pressed steel panels and the OEM driver cabin should be fully integrated with the patient compartment in aerodynamic shape, so that bar light can be fitted front top corner of the ambulance body. Ambulance body, as a unit, shall be designed and built to provide impact and patient compartment penetration resistance and shall be of sufficient strength to support the entire weight of the fully loaded vehicle on its top or side, if overturned, without separation of joints or permanently deforming roof bow or reinforcements, body posts, doors, stringers, floor, inner linings, outer panels, rub-rails, and other reinforcements. The exterior of the body shall be finished smooth with symmetrically radius corners and edges. Wood, or wood products, shall not be used for structural framing. (14/16 SWG M.S square tube for super structure, 20 SWG colour coated sheet for external structure, ABS for interior paneling)

4.E Patient Compartment

Patient Compartment volumetric space shall be sufficient in size to transport occupants and accommodate / store all equipment & fitments specified. The length of the patient compartment measured from partition to the inside edge of the rear loading door at the floor level shall not be less than **3190 mm**. The minimum width of the compartment when measured at the center point of the patient compartment shall not be less than **1630 mm** and should provide 460 ± 150 mm clear aisle walkway between stretcher / cot and the base of squad bench, with the cot located in the street side (non-centered) position.

The patient compartment shall provide minimum **1800 mm** internal height over the primary patient area, measured from floor to ceiling panels.

An access window between Driver's Cabin and Patient Compartment should be provided at appropriate location for visual checks and voice communication between the cabin and patient compartment. This window should be latchable from the patient cabin side and should be transparent, shatter proof and shall have adjustable opening. The interior paneling of the patient compartment including sidewalls, partition between patient cabin and driver cabin, roof, door panels and all other surfaces in the patient compartment should be made from long life superior quality UV-

resistant ABS/FRP unless mentioned otherwise. There should be PUF / PU insulation, minimum 12 mm thick between the outer and inner panels of these vehicles for reduction of heat and noise within the patient compartment. The insulating material should be non-toxic, non-settling type, vermin proof, mild dew proof and non-hygroscopic. The ABS wherever used, should have the following characteristics:

Thickness – minimum 3.0mm, Inbuilt colour

- Fire retardant as per IS - 6746 of 1988 or latest equivalent as applicable

Sufficient reinforcement for holding the wall mounted equipment securely while in transit should be present on the side walls. This reinforcement should be uniformly implemented across Ambulances as per the Equipment layout. Unobstructed access & full functionality of the fittings/equipment as required for optimal patient care must be ensured in this compartment.

Adequate provision for storage of medicines/consumables/equipment should be made by providing lockable cabinets & drawers in sync with the ambulance's internal look and feel. The drawers should be on guide ways & should be provided with appropriate self-restraining mechanism to arrest the inadvertent opening of the unlocked drawers unless pulled while the vehicle is in motion. One number of drugs storage console with at least 12(twelve) individual bins should be provided in easy reach of paramedic when seated. These bins must permit the user to take out the drugs without removing the bin & should be secured firmly to avoid drugs or bins from falling when the ambulance is in motion.

The floor (except the wheel humps) should be flat, anti-static & should be finished with minimum 2mm thick two component PU coating with anti-scratch treatment or 2mm thick Anti-skid PVC vinyl matting or FRP / ABS with Anti-skid coating.

The ambulance interiors must comply with the requirements of AIS: 047 and should be suitable for easy cleaning, scientific fumigation & treatment with disinfectants. Joints if any should be flushed, seamless, hermetically sealed, waterproof & easy to disinfect. All interior materials shall comply with the fire safety requirements as per AIS: 125.

Ambulance driver cabin ceiling should be properly insulated by constructing one false /decorative ceiling along with fitment of the two 12 V DC operated high quality and minimum 6-inch wall mounted fans.

4.F Patient Door: There shall be a 'two leaf' divided rear door or 'flap type' rear door at the rear end of the patient compartment for entry and exit of personnel as well as loading and unloading of the ambulance cot. The door opening should be side-ways or bottom to top. Each door should be hinged at least at two places and should have firm latching provision. It shall be capable of being positively restrained in the open position. A "Door-Open" warning device shall signal (indicate in the cab) when doors are not closed. Each door shall have effective compression or overlapping seals to prevent leakage of exhaust fumes, dust, water, and air. when the patient compartment doors are not 270 degrees opening, a red light or reflector, minimum 76mm diameter, shall be installed, one on the interior surface of the side of each rear door. The reflectors shall be so positioned as to provide maximum visibility when the doors are in the fully open position. The opening of the door should be possible from inside and outside at all times. Under no condition, during travel mode, this door should open on its own.

The doors of the patient's compartment shall be fitted with an appropriate mechanism to enable the following:

- lock and unlock from inside without use of a key; lock and unlock from outside with use of a key;
- unlock from the outside using a key when the door is locked from the inside

4.G Windows:

In the patient's compartment, there shall be a minimum of two external windows. The windows shall be positioned or screened to ensure patient's privacy when required. Windows shall be fitted with

safety glasses complying with the requirements of IS: 2553 specified under Rule 100 of CMV (A) R, 1989. At least one of these windows should have a minimum opening size of 450mm x 550mm to act as emergency exit. (Aluminum powder coated windows)

4.H Noise

Noise testing of patient compartment will be as per AIS: 020

4.I Air-Conditioning

Air-conditioning system coupled with vehicle Engine with Automatic Digital Control panel with temperature display in patient Cabin. Roof mounted, heavy duty multi flow condensers with 2nos. heavy duty cooling fans.

Heavy duty Aluminum Multi flow evaporator coil with twin blower motor and single expansion valve for efficient & uniform cooling. 10 Duct's in-patient cabin to provide balance flow throughout the cabin.

The AC unit should be installed at a suitable location in the patient cabin to ensure there is no congestion in the driver/patient cabin. With all windows & doors closed, the system should be capable of lowering the cabin temperature to a minimum of 24 degrees Celsius within 30 minutes from ambient temperature. The gas used for Air conditioning should be environment friendly as per International regulatory requirements. The engine idling rpm should be so designed and tuned to fulfil the requirements of AC Unit.

To ensure proper ventilation in case of AC failure, at least two of the patient compartment windows should be opening outside.

4.J Siren

All siren loudspeakers have to be mounted on the front of the vehicle. Hidden installation is allowed. The main sound direction must be in driving direction. Permitted are wail and yelp signals that cycle between 10-18 respectively 150-250 per minute at an sound pressure level of 110dB(A) to 120dB(A). The frequency range must be at least one octave and should be between 500Hz and 2,000Hz. An additional electronic air horn can be used. Further there should be a public address system that can be worked at all times ergonomically from the driver's seat. The siren switch can only be used if the warning lights are on.

4.K Exterior Special Lighting and Illumination

In addition to the signaling and lighting requirements as per the CMVR, the ambulance should have the following lighting fitments (12V):

- LED based flashing lights with top red lens having minimum four LED flashers visible on both sides of the ambulance (integrated or enclosed in a light bar) mounted on the roof top. The LED flashers should flash cyclically using appropriate flashers.
- At least two LED flashers & one spot lamp on both sides of the ambulance as well as two flashers & a rear loading lamp on the rear wall of the ambulance mounted at the highest position feasible. (The rear loading light shall automatically be activated when rear doors are opened.)

4.L Interior Patient Compartment Illumination

There should be diffused flicker free automotive grade (12V, minimum 4000 deg Kelvin) lighting in the patient compartment. All interior lighting shall be flush mounted and should not get loose or fall down during vehicle movement or vibration. Normal white illumination within the patient compartment without outside ambient light shall not be less than 100 Lux (lx) when measured along the center line of the clear floor; and 150 lx on at least 90% of the surface area of the primary patient cot. At least one patient compartment light and rear loading lamp shall be automatically activated when the patient compartment rear doors are open.

4.M Electrical System

The electrical system should be of uniform specification across all Ambulances. There shall be two independent forward electrical circuits in the ambulance: the OEM-Base Vehicle Circuit and the non-OEM electrical circuit. At no point shall the forward OEM base vehicle circuit be tampered with to provide for any non-OEM electrical load requirements.

Each ambulance should have additional 'supplementary battery(s)' sufficient enough to power the non-OEM electrical load requirements of the homologated vehicle. These batteries should be located at a suitable location outside the patient compartment and should be automatically charged by the vehicle alternator while the vehicle is on and via 220V external AC supply if connected when stationary. The alternator of the base vehicle should have the current rating which is at least 10 % higher than the peak current consumption of the fully equipped ambulance. (Including current for charging of the batteries etc as well as all the medical and non-medical devices, etc.)

A permanently fitted automotive grade battery charger should be provided to enable charging of the supplementary batteries via external 220V AC supply whenever connected. A recessed external charge port with spring loaded lid (at least IP65 certified) suitable for connecting the external 220V AC power supply should be provided on the exterior of the vehicle at a suitable place. A 10 Meter length, three (3) core, 10 gauge / equivalent charging wire with high quality male three pin ends to be provided. This wire should be housed at a suitable and easily accessible location in the ambulance.

There should be a cut-off switch provided at a suitable location outside the patient cabin to isolate the non-OEM forward electrical circuit. This circuit breaker should be labelled and housed at an easily accessible location while also ensuring protection against accidental switching off.

There should be short-circuiting as well as overload protection through fuses / Mini-Circuit Breakers (MCB) for different segmented electrical installations in the non-OEM electrical circuit. The fuse rating should be mentioned on each fuse and three numbers of each fuse should be housed in the fuse box cover or at an appropriate place.

Adequate number of power receptacles / connections should be provided in the patient compartment to simultaneously power all the equipment's & fitments asked for in this document. The mountings of all electrical outlets shall be sturdy enough to handle wire/plug pressure and vibrations during transit. There should be at least one free automotive grade 12V DC receptacle provided in the patient & driver compartment each at an easily accessible location.

All switches, connectors, end-wiring should be rated to carry out minimum 125 % of their maximum ampere load. All wiring should conform to ISI2645 specification. The wiring shall be permanently colour coded or marked the entire length of the wire for identification with easily readable numbers and letters, or both, and routed in conduit. When cables are supplied by a component manufacturer to interconnect system components, these cables need not be continuously colour coded/identified. They shall be coded/ identified at the termination or interconnection points. All added wiring shall be located in accessible, enclosed, protected locations and kept at least 150mm away from exhaust system components. Except for those on large wires, such as battery cables, terminals shall be machine crimped to the wiring. A ratchet type hand crimper may be used where it is not possible to use a large machine crimper. Battery cable terminals, component terminals and connectors exposed to the ambient shall be coated with terminal corrosion preventive compound.

Electrical panels that are accessible to accidental contact shall have a protective cover, shield, and so forth, to prevent shorts that can result in injury, fire, or damage to the electrical system.

Electrical wiring and components shall not terminate in the oxygen storage compartment except for the oxygen-controlled solenoid, compartment light, and switch plunger or trigger device. Wiring necessarily passing through an oxygen compartment shall be routed in a metallic conduit. 220V AC supply in patient compartment is not mandatory. However, 220V AC charging circuit for battery is mandatory.

4.N Solid State Inverter for Onboard 220 V A/C Power

- a) The ambulance shall have onboarded a inverter of reputed brand to meet with the patient compartment power requirements for medical equipment, interior illumination devices etc.
- b) The inverter should be of true and should be of sufficient capacity so as to meet all the power requirements in the patient compartment for a minimum of two (2) hours on full load travelling mode of the vehicle.
- c) The inverter batteries should be kept outside the patient compartment at a suitable location.
- d) There should be a circuit breaker provide in driver cabin to isolate the inverter from down line connectivity and indicates "ON" or "OFF" position. This circuit breaker should be labelled and housed at an easily accessible location while also ensuring accidental switching off.
- e) The inverter shall have the facility for charging from vehicle alternator (when vehicle is mobile) and 220 V AC (when vehicle is stationery).
- f) External charge part with spring loaded lid suitable for AC charging of the inverter batteries should be provided on the exterior of the vehicle at a suitable place. 10 (ten) meter length. Three (3) core, 10 gauge or equivalent charging wire with high quality male three pin ends to be provided. This wire should be housed at suitable and easily accessories location in the ambulance with extension cord.

4.O Radio Frequency Interference (RFI)

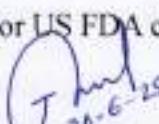
The ambulance electrical / electronic and mechanical equipment in running mode / on condition, should meet the Radio Frequency Interference standards [Electro Magnetic Interference (EMI) AIS – 004- 1999].

5-A Emblems, Marking & Colour Scheme

Complete body exterior should be uniform white in colour. All external marking should be retro-reflective in nature and materials used for the same should meet or exceed the requirements of ASTM D 4956, Standard Specification for Retro-reflective sheeting for Traffic Control. **All exterior full body Graphic design & lettering should be as per requirement of the TIA (As per specific requirement of customer).**

5-B Additional Terms and conditions:

1. The bidder has to certify that there is adequate battery backup to cater to the power requirement for running of electro-medical equipment.
2. Major medical equipment has to be either European CE or US FDA certified.


 Superintending Engineer
 Newtown Kolkata Development Authority

Section IV. Bidding Forms

FORM 1

Tender Form

(To be furnished on non-judicial stamp-paper of Rs. 100/-, affirmed before a First Class Magistrate/ Notary/ Executive Magistrate)

(All the bidders have to prepare and submit Form 1)

Date:

..... Bid Reference No.: ___, Schedule- _____

Name of Contract: Hiring of ALS Advance Life Support Ambulance with Driver, Para-Medical staff and Helper for round the clock (for 02 years).

To
 The Superintending Engineer,
 New Town Kolkata Development
 Authority (NKDA) DG/13, Action
 Area ID
 New Town,
 Kolkata-700 156.

Sir,

I/We, the undersigned hereby accept all the terms and conditions of the Bid Reference No. : _____ and its Amendments and Addendum thereto are read and accepted without any Modification or condition(s). We now offer to Supply and assemble Advance Life Support Ambulance to West Bengal Medical Services Corporation Ltd. in conformity with your above referred document.

We also

1. Certify that:

- a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders.
- b) The offered products are in accordance with the required specifications and technical requirements
- c) Our Bid consisting of the Technical Bid and the Price Bid shall be valid for a period of 180(one hundred eighty) days from the date fixed for the bid submission deadline in accordance with the Bidding Documents. However, the prices quoted by us and accepted by NKDA shall hold good and remain valid till expiry of contract period from the date of signing of the contract and no additional claims will be made on account of any price variation or fluctuation in market rates. The rate quoted shall remain binding upon us and may be accepted at any time before the expiration of 180 (one hundred eighty) days.
- c) If our bid is accepted, we will submit a performance security within 14 (fourteen) days of issuance of Award of Contract (AOC) in the prescribed format as given in the bid

document.

- c) Our company has been incorporated in accordance with the laws of India (*insert name of country of incorporation*) and governed by them.
- d) We have never been blacklisted by any Government Department/ Agency in India during the last 5 years.
- g) There is no adverse report against the Advance Life Support Ambulance or similar type ambulance offered by us in any Government Department / Agency in India.
- h) We will permit NKDA or its representative to inspect our accounts and records and other documents relating to the bid submission.
- i) All the statements made in the attached documents are true and correct. In case of any information submitted proved to be false or concealed, penalties shall be imposed in terms of the bid document.
- j) The time for rectification of the equipment or ambulance will not be more than 5 days from the time of the complaint is lodged.
- k) The penalty for beyond 5 days of downtime & if standby unit is not provided, will be borne by us in terms of the Tender.

Important information at a glance Under Section I: instructions to Bidders of the bid document.

2. Understand that:

- (i) Partial or incomplete bid submission will lead to cancellation of our bid.
- (ii) The tender inviting and accepting authority reserves the right to reject any application without assigning any reason.

Enclose:

1. Non-Statutory Documents/ My Documents
2. Statutory Documents
3. Forms & Annexure duly filled up, signed & notarized (where applicable)

Name..... In the
capacity of..... Signed
.....

Duly authorized to sign the Bid for and on behalf of (if applicable)

Date.....

Form 2
TECHNICAL COMPLIANCE STATEMENT

(For Advance Life Support Ambulances)

Bidders must complete the below table and the compliance confirmation as included in Section III, Schedule of Requirements; Technical Specifications.

Bidder Name-.....

FORM 3**Statement of Number of Ambulances supplied/ rented during Last 3 Years.**

(Details to be furnished duly supported by work order/ Agreement/ any document)

YEAR - 2022		YEAR - 2023		YEAR - 2024	
Name of Client	Quantity	Name of Client	Quantity	Name of Client	Quantity

CHECK-LIST

[Please fill in and include with your Bid]

Note 1: It is essential that all documents in hard copy are to be placed before the Committee and arranged in the same sequence as given in the Check List. All the documents should be appropriately flagged.

Note 2: If any document is written in any language other than English, an English translation of the document duly authenticated is to be submitted.

Note 3: All the documents mentioned below are essential for qualifying in the technical evaluation.

Note 4: After opening of the technical bids, if it is found that any of the documents required to be submitted with the bids is wanting, NKDA shall reserve the right to allow late submission of such document at its discretion within a specified time limit.

Sl. No.	Document	Yes/No/ NA	Remark
	Statutory:		
1	PAN Card of the Bidder.		
2	Goods and Services Tax payer Identification Number (GSTIN)		
3	License from Government/ Statutory Authority as applicable or Registration with the Registrar of Companies, if applicable.		
4	Income Tax Returns for the last three years.		
5	Professional tax certificate		
6	Tender Form (Form-1) on Non-Judicial stamp paper		
	Non-Statutory :		
Sl. No.	Activity	Yes/No/ NA	Remark
1	Documentary evidence (e.g. Work orders, Agreement etc.) in support of experience of having successfully supplied/ rented ALS Ambulances within the last five (5) financial years to any Government Department/ Semi-Government Organization/ Public Sector Undertaking/ Hospitals (Govt or Private) in India.		
2	EMD (Scanned copy of the instrument through which EMD have been submitted)		
3	Form 1: NIT Acceptance Form duly notarized		
4	Form-2: Technical Compliance Statement		
5	Form-3: Number of Ambulances supplied/ rented during Last 3 Years.		
6	Declaration of the bidder on letter head that "We agree to submit a copy of the Tender Documents and its Amendments and Addendums thereto duly initialed by us in all pages with our seal/ rubber stamp affixed thereto, in token of acceptance thereof."		
7	Model of the Base Ambulance offered for (Self Declaration) with Technical Data Sheet		

Bill of Quantity (BOQ)

Sl. No.	Description of Work/Item(s)	Unit	Quantity	Rate per Year (Rs.)	Amount (Rs.)
1	Rent of Advanced Life Support (ALS) Ambulance equipped with Intensive Care Unit (ICU) facilities, complete with all specified medical equipment, accessories adhering to the technical specifications detailed in Section III (Schedule of Requirements) and compliant with all applicable Government of West Bengal rules and regulations, along-with Driver, Para-Medical staff and Helper to Newtown Kolkata Development Authority, Newtown, Kolkata.	Per Month	24 Months		

FORM -8
Performance Security

[Insert: No Performance Security shall be requested or the bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated]

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

ITB No. and title: *[insert no. and title of bidding process]*

Bank's Branch or Office: *[insert complete name of Guarantor]*

Beneficiary: *[insert legal name and address of NKDA]*

PERFORMANCE GUARANTEE No.: *[insert Performance Guarantee number]*

We have been informed that *[insert complete name of Supplier]* (hereinafter called "the Supplier") has entered into Contract No. *[insert number]* dated *[insert day and month]*, *[insert year]* with you, for the supply of *[description of Goods and related Services]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a Performance Guarantee is required.

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum(s) not exceeding *[insert amount(s) in figures and words]* upon receipt by us of your first demand in writing declaring the Supplier to be in default under the Contract, without cavil or argument, or your needing to prove

or to show grounds or reasons for your demand or the sum specified therein.

This Guarantee shall expire no later than the *[insert number]* day of *[insert month]* *[insert year]*,² and any demand for payment under it must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458, except that subparagraph (ii) of Sub-article 20(a) is hereby excluded.

[Signatures of authorized representatives of the bank and the Supplier]