

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	13-08-2026 10:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	13-08-2026 10:30:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	90 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Karnataka
विभाग का नाम/Department Name	Planning Program Monitoring And Statistics Department Karnataka
संगठन का नाम/Organisation Name	Kalyana Karnataka Region Development Board
कार्यालय का नाम/Office Name	Kalaburagi
शिकायत निवारण के संपर्क विवरण/ Contact details of Grievance redressal	HOD Email id :premila.mk@ka.gov.in Buyer Email id: anand.k978@ka.gov.in
कुल मात्रा/Total Quantity	6
वस्तु श्रेणी /Item Category	Customised Mobile Health Units (Q2)
बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) /Minimum Average Annual Turnover of the bidder (For 3 Years)	122 Lakh (s)
मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)/OEM Average Turnover (Last 3 Years)	122 Lakh (s)
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष/Years of Past Experience Required for same/similar service	3 Year (s)
टर्नओवर पात्रता मानदंड/Turnover eligibility criteria	GeM verified turnover
एमएसएमई के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है/MSE Relaxation for Years of Experience and Turnover	No
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है /Startup Relaxation for Years of Experience and Turnover	No

बिड विवरण/Bid Details	
विक्रेता से मांगे गए दस्तावेज़/Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेजों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेनू है/Do you want to show documents uploaded by bidders to all bidders participated in bid?	Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	1
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	3
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	1
विगत प्रदर्शन /Past Performance	80 %
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	No
बिड का प्रकार/Type of Bid	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	2 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Payment Timelines	Payments shall be made to the Seller within 45 days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
मूल्यांकन पद्धति/Evaluation Method	Total value wise evaluation
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

ईएमडी विवरण/EMD Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
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ईएमडी राशि/EMD Amount	244000
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ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईपीबीजी प्रतिशत (%) /ePBG Percentage(%)	5.00
ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months).	37

(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित कैटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज़ प्रस्तुत करने है। एमएसई कैटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।/EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

(c). ईएमडी और संपादन जमानत राशि लाभार्थी के पक्ष में होनी चाहिए। / Earnest Money Deposit (EMD) shall also be accepted by the buyer in the form of a surety bond.

लाभार्थी /Beneficiary :

THE SECRETARY KALYANA KARNATAKA
KALABURAGI, Planning Program Monitoring and Statistics Department Karnataka, KALYANA KARNATAKA REGION
DEVELOPMENT BOARD,
(Secretary)

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	No
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एमआईआई खरीद वरीयता/MII Purchase Preference

एमआईआई खरीद वरीयता/MII Purchase Preference	No
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1. The minimum average annual financial turnover of the bidder during the last three financial years, ending on 31st March of the previous financial year, should be as indicated in the bid document. The turnover of the bidder shall be validated by the system based on the financial data available on the GeM portal. The average turnover shall be calculated based on the last three financial years where data is available; in case data is available for only two of the last three financial years, the average shall be computed based on those two years. In case the date of constitution / incorporation of the bidder is less than three years old, the average turnover in respect of the completed financial years after the date of constitution / incorporation shall be taken into account for this criterion. No separate documentary evidence is required to be uploaded by the bidder for this criterion, as the system shall derive and validate the turnover figures from the data available on the GeM portal.

2. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM of the product offered in the bid {themselves or through reseller(s)} should have regularly, manufactured and supplied same or

similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts and delivery acceptance certificates like CRAC to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

3. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

4. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

5. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 80% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

Customised Mobile Health Units (6 pieces)

तकनीकी विशिष्टियाँ /Technical Specifications

[* जेम केटेगरी विशिष्टि के अनुसार / As per GeM Category Specification](#)

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
Generic Parameters	Type of Mobile Health Vehicle	Mobile Blood Collection Van
	Number of Stretcher	3.0
	Essential Equipment	Mounting for portable oxygen cylinder of minimum 2.2 L water capacity, Hook for infusion mounting, Storage for keeping first aid and nursing kit, Roof Light, Fire extinguisher
	Accessories/Features	GPS Based Navigation System
Base Vehicle Parameters	Chassis Maximum Gross Vehicle Weight (Kerb weight + Payload)	6000.0 - 40000.0 Or higher (kilogram)
	Type of Fuel	Diesel
	Axle Configuration	4 X 2
	Maximum Engine Output / Power (kW) at rated RPM	85.0 - 400.0 Or higher (kiloWatt)
	Vehicle Emission Compliance	BS VI
	Air Conditioning	Only Rear Compartment

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
Certification & Warranty Parameters	Agreed to provide medical equipment as specified in the bid with applicable OEM Warranty	Yes

प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.No.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Anand Kamalapurkar	585102,AEWAN E SHAHI ROAD	6	60

Special terms and conditions-Version:1 effective from 29-01-2025 for category Customised Mobile Health Units

1. Special Terms and Conditions for Customized Mobile Health Units

This category is created to cater to the requirement of buyer where the buyer wants to procure Mobile Health Units with necessary equipment and/or minor fabrications. This category is bid only category and Direct Purchase is not enabled.

- The buyer shall define the equipment required in the Mobile health Unit with complete technical specification along with the quantity.
- In case fabrication is required by the buyer inside the body of the vehicle, details and drawings/pictures shall be provided by the buyer in the bid.
- The buyer should check compliance of the vehicle to CMVR rules after fabrication and installation of the equipment.

Note for Sellers :

- For listing a catalog on GeM, the seller should specify the price for the vehicle. As the category is bid-only, the seller can submit their offer price while participating in the bid, based on the scope of work provided by the buyer.
- The seller is advised to upload images that include the vehicle's front view, side view, and rear view with the door open.

क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$, subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while

exercising the option clause. Bidders must comply with these terms.

2. Turnover

Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

3. Forms of EMD and PBG

Bidders can also submit the EMD with Account Payee Demand Draft in favour of

SECRETARY

payable at

KALYANA KARNATAKA REGIONAL DEVELOPMENT BOARD KALABURAGI

Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

4. Forms of EMD and PBG

Bidders can also submit the EMD with Fixed Deposit Receipt made out or pledged in the name of A/C

SECRETARY KALYANA KARNATAKA REGIONAL DEVELOPMENT BOARD KALABURGI

The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of EMD, the FDR will be released in the favour of the bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Bidder has to upload scanned copy/ proof of the FDR along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date/ Bid Opening date

5. Forms of EMD and PBG

Bidders can also submit the EMD with Banker's Cheque in favour of

SECRETARY KALYANA KARNATAKA REGIONAL DEVELOPMENT BOARD

payable at

KALABURAGI

Bidder has to upload scanned copy / proof of the BC along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

6. Generic

Bidder financial standing: The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

7. Sample Clause

After award of contract - Successful Bidder shall have to get advance sample approved from buyer before bulk manufacturing / starting bulk supplies. Successful Bidder shall submit

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samples for Buyer's approval, within 5 days of award of contract. Buyer shall, as per contract specifications framework, either approve the advance sample or will provide complete list of modification required in the sample within 5 days of receipt of advance sample. Seller shall be required to ensure supply as per approved sample with modifications as communicated by Buyer. If there is delay from buyer side in approval of advance sample - the delivery period shall be refixed without LD for the period of delay in sample approval. In case, the sample is found to have major deviations / not conforming to the Contract specifications, the buyer at its discretion may call for fresh samples for approval before allowing bulk supplies or may terminate the contract after notifying the deviations to the seller.

Unless otherwise provided in the contract, all samples required for test shall be supplied by the contractor free of cost. Where under the contract, the contractor is required to submit an advance sample, any expenses incurred by the contractor on or in connection with the production of stores in bulk, before the sample has been approved unconditionally shall be borne by the Seller and he shall not claim any compensation in the event of such sample being found unacceptable by the Buyer / Consignee.

8. Generic

After award of contract – Successful Bidder shall have to get Detailed Design Drawings approved from buyer before starting fabrication. Successful Bidder shall submit Detailed Design Drawings for Buyer's approval, within 5 days of award of contract. Buyer shall, either approve the drawings or will provide complete list of modification required in the drawings within 5 days. Seller shall be required to ensure supply as per approved Drawings with modifications as communicated by Buyer. If there is delay from buyer side in approval of drawing– the delivery period shall be refixed without LD for the period of delay in approval of Drawing.

9. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

Technical Specification for Blood Collection Transportation Vehicle (BCTV) SI.No. i. ii iii iv. Technical Specifications The bidder must submit detailed designs and plans in line with the specified requirement of the tender document. 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. There should be enough space as per the specific requirements specified in the tender document herewith. The net interior dimensions of BCTV body (blood collection area excluding the driver cabin) shall be minimum 2500mm +/-10% in width, 3000mm +/- 10% in height and minimum 4500 mm +/- 10% in length. The space should be suitable to house the 2 Blood Donor Couch at comfortable distance between the donor heads. 10 / 33v vi. vii viii 1. i. ii iii. A tolerance of 10% shall be permissible in each dimensions / values mentioned in this document keeping net minimum volume of the compartment unchanged. In case of statutory requirements or parameters critical for donor care no tolerance will be permissible. The width of the BCTV Body (treatment compartment) should not protrude beyond the width of the driver cabin while maintaining the minimum specified dimensions hence a matching base vehicle should be chosen. The length of the BCTV body (treatment compartment) should be achieved without extending the OEM (Original Equipment Manufacturer) chassis and with the OEM specified maximum length of the body as per the wheel base of the base vehicle. The vehicle should comply with BS VI emission standards. Compliant with standards of Central Motor Vehicles Rules (CMVR) prevalent in India as of date with documentary certification of the same. Compliant with safety standards of Automotive Research Association of India (ARAI) with documentary certification of the same from original vehicle manufacturer. **BASE VEHICLE** The base vehicle should be of CMVR (Central Motor Vehicle Rules India) approved M category coach chassis with OEM (Original Equipment Manufacturer) approved fabricated cabin permitting driver plus two (2) seating arrangements and should be white in color. The cabin should be OEM (Original Equipment Manufacturer) cabin permitting driver plus 2 seating arrangement with doors for driver and co-driver side. The co-driver seating arrangement for 2 persons except driver should be with similar safety, functionality and ergonomics as of driver with single co-driver seating. The cabin doors shall be fitted by the supplier. **2 ELECTRICAL OPERATED DONOR COUCH + 1 FOLDABLE TABLE + 1 DRIVER+ 1 CO-DRIVER FOLDABLE SEAT WITH LAP BELT+ 3 PERSON HHR SEAT WITH LAP BELT.** The base vehicle chassis should be able to accommodate the blood van compartment as per specified dimension on the original OEM (Original Equipment Manufacturer) chassis length without any extension of the chassis frame. 11 / 33iv v. vi. vii. viii. ix. 2 2.1 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 occupants. The design of the vehicle and the specified requirement shall permit accessibility for servicing / replacement and adjustment of components / parts and accessories with minimum disturbance to other components and systems. The base vehicle with all accessories should be brand new standard commercial products, tested and certified to meet the necessary application requirement in terms of load. The bidder should enclose all necessary brochures, certification and proofs in this regard along with the technical bid. The base vehicle should fully comply with all requirements of CMVR (Central Motor Vehicle Rules, India) as per

the latest amended applicable on the date of submission of bid. A copy of the certificate to this effect should be enclosed with the technical bid. The base vehicle should be able to accommodate the Mobile Blood Donation Van without violating any of the statutory requirement of the CMVR (Central Motor Vehicle Rules, India) including the rear overhang and side extensions beyond the width of the vehicle if any as well as the safety requirements like rear view mirror positions with the complete width of the MB DV loaded onto the chassis. The vehicle should have minimum 100 HP engine power assisted steering and the driver cabin should be air conditioned with OEM (Original Equipment Manufacturer) fitted engine driven air conditioning system.

BLOOD DONATION COMPARTMENT : The BCTV layout would comprise of TWO DONOR STATIONS DONOR COUCHES and all the other necessary ancillary requirements required for a set up like this as detailed in the subsequent part of the specification. The successful bidder would be required to get the final layout approved from the tendering authority before starting the construction.

Inter - frame Work 12 / 33i. ii. iii. iv. v. vi. 2.2 i. ii. iii. Inter-frame work should be made of minimum 4mm thick steel complying with ST 52 Grade or equipment grade with similar composition and mechanical properties. The inter-frame cross member shall be welded with long member using gusset. The inter-frame work should be connected to the chassis frame in such a manner as to prevent any shifting and separation under extreme operating conditions. There must be the required balata packing between the long member of the inter-frame and the chassis frame along the complete length. Inter-framework should be designed to support the BCTV body rigidly and withstand tensional loads under full dynamic conditions. The inter-frame should be designed to ensure optimum stability of the complete construction of the BCTV along with complete fitments as well as passengers inside in both static as well as dynamic load situations. BCTV body should be attached to the inter-framework in such a manner as to prevent shifting or separation of body from inter-framework under severe operating conditions (crash or accident).

Body The body should be made from sandwich construction bolted to inter-framework, which shall be connected to the chassis. The walls should be made up of joint less sandwich elements with :

- a. Outer and Inner Skin: Minimum 1.4mm thick, white dyed Glass fiber laminate with high standard gel coat layer based on isophthalic acid with UV stabilizer.
- b. (H) CFC free high performance, rigid Polyurethane block foam . Minimum 4.1mm thick. The composite sandwich element for the box structure should be produced by skin and insulation foam being joined together by one component MS Polymer basis moisture curing adhesive and sealant having optimum elastic and humidity properties.

13 / 33iv. v. vi. 2.3 i. ii. iii. iv. v. vi. vii. viii. The joining as referred at (iii) above should be done by vacuum pressed and dried at minimum 30 Tons/Meter 2 pressure. The walls and floor should be connected using one piece, minimum 3 mm thick, hollow powder coated and joined together with polyurethane adhesive and sealant to provide extreme torsion strength to the walls and floor. The body corners should be connected with a corner cap. Floor The construction of the floor should be exactly the same as that of the body walls as specified above but with additional layers marine grade ply wood in between the outer skin, inner skin and the insulation layer. Floor should have reinforcements for receiving and fastening for the floor plate to the inner framework as well as to fix the seats for the passengers inside the Mobile Blood Donation Van. The bolts used to fasten the floor to the inter-frame should be fully flushed with the top skin of the floor panel in full tight condition without any obtrusions of any kind. The bolt in fully tight condition should have adequate grip on the ply wood layer below the top skin so that even under extreme operating conditions there is absolutely no slippage of any kind to these bolts ensuring the highest level of safety. The top layer of the floor should be made from minimum 1.5 mm thick Anti-kid PVC vinyl matting or FRP / ABS with Anti-skid coating may also be used as the final covering. The floor should withstand a distributed load of minimum 200kg/m² The floor should have the necessary opening to access the spare wheel of the vehicles as per the recommendation of the chassis manufacturer as applicable. The floor should be completely free from any cuts/opening to access any parts of the OEM (Original Equipment Manufacturer) engine or chassis parts including access to the spare wheel joints if any should be properly sealed so that it will not accumulate any dust and facilitate easy cleaning.

14 / 33ix. 2.4 i. ii. 2.5 i. ii. iii. iv. v. vi. vii. viii. ix. x. In normal usage condition this opening / Joints should be congruently matched with the floor hygienically and aesthetically, so that there is no chance of dust and pollution through that opening to the inside environment of the BCTV.

Roof The construction of the roof should be exactly the same as that of the body walls as specified above but with additional reinforcement for mounting air conditioning unit ceiling lamps and other devices to be mounted to it All the cables and conducts in the ceiling should be completely concealed in its manufacturing and should not be visible either on the inside surface or on the outside surface of the ceiling.

Entrance Door There should be one entrance door on the LH side of the BCTV The doors should be minimum single leaf door. The door should be designed as to afford easy release and prevent accidental opening. The door should have minimum possible horizontal opening permitting loading and unloading of the stretcher. It should have effective compression or overlapping seals to prevent leakage of exhaust fumes.

es, dust, water and air. It should be minimum 180 degree revolving outward opening and laterally supported by rust resistant high-grade stainless steel hinges. The door hinges should be completely concealed in construction so that when the door is closed it is not possible to open the fastening hinges from any direction with any type of tool. The door should be locked at its fully open position. A handle should be provided in unobstructed location inside doorway. The door should have flush pull latch lock to allow operation from inside. 15 / 33xi. xii. xiii. xiv. xv. 2.6 i. i. iii. 2.7 i. ii. iii. iv. V. It should be possible to open the door from inside by simply pulling the latch even if the door is locked from outside with the keys. All hardware should be certified for passenger vehicle usage. The door should be provided with a retractable handle to open it from outside. On releasing the handle, it should be flushed with the outer surface of the door. When the key is not engaged there must be an integrated aperture to close the key slot so that there is no ingress of any liquid or dust to the inside of the lock assembly. The complete lock assembly with the integrated handle should be surface integrated in construction without any outside protruding or protruding parts on the surface on both the internal and external sides. Emergency equipment - Fire Extinguisher The BCTV should be equipped with two standard fire extinguishers of 1 kg capacity each. The fire extinguisher should be secured in an extinguisher manufacturer bracket of automotive type and located in full view and in an accessible place. The fire extinguisher should bear a label of ISI / CE / I; / NFPA showing a rating of ABC. Window The BCTV should have two windows with sliding glasses, size of minimum 600mm in horizontal and 400mm in vertical directions. The window frame should be manufactured as one single piece and without any sharp edges or corners. All the four corners should be produced in appropriate radius without any sharp edges or corners of any kind. The window frame should comprise of two parts joined in such a way as to cover the complete width of the panel as on single piece without any gaps allowing any ingress of materials or liquids thereby creating a source of any infection. Both the windows should provide effective ventilation and outside vision for the BCTV staff. 16 / 33vi. vii. viii. ix. 2.8 i. ii. iii. iv. v. vi. 2.9 i. ii. The tinted glass should be set in an acceptable manner in a sturdy durable electrostatic black powder painted aluminum frame. The sliding window should be equipped with a positive latch / lock that can be secured from inside the BCTV. The glass used in the window should be of automotive grade. The window should be flushed with the external wall without any protrusions outside. Seats The BCTV area will have automotive standard transport grade seats for minimum three persons. The seats should be comfortable and with complete back support. The backrest should have integrated head rest means it should be tall enough beyond the shoulder level in the sitting position. The seats should have retractable seat belts and armrest. The seats should be aesthetically pleasing and ergonomically well designed. The seat base and backrest should be padded backrest with contoured support for the back. The base should be at least 370mm in depth. Padding should be furnished with polyester urethane foam of a medium to firm density. Padding should provide ultimate comfort to the occupants. The upholstery should be of leather match Vinyl / polyurethane / leatherette, color in dark colors. The padding and upholstery should be fire retarded. Additionally, the upholstery should be non-absorbent, washable and impervious to disinfectants. Interior Storage Compartments & Furniture Storage compartments should be furnished to accommodate essential equipment / accessories / consumables as required in the van. All storage compartments shall be aesthetically and ergonomically well designed. 17 / 33iii. iv. v. vi. vii. viii. ix. To preclude injury in the event of an accident all cabinet shall be firmly anchored to the base structure of the BCTV. Storage cabinets, drawers and kits shall be easily opened but must not come open during transit. Storage compartments shall be further furnished to accommodate the device / equipment. Storage compartment may be divided into sections according to the size of the equipment / accessories / consumables for optimum space utilization. All hardware shall be certified for passenger vehicle usage. Any vertical flap in the furniture console opening towards the topside must be latched at its fully open position using adequate capacity pneumatic lifters at both the horizontal ends to ensure proper load distribution of the flap. Any vertical flap in the furniture console opening towards bottom side shall be latched at its fully open position using adequate capacity roller / friction / pneumatic supports at both ends to ensure proper load distribution of the flap. 2.10 Wash Basin i. ii. iii. iv. The internal furniture layout must include a washbasin made up of SS / ABS material matching to the finish of the furniture. The water tap of the washbasin should be operated with a foot switch mounted on the floor at a convenient and safe place around the washbasin area, so that it is convenient for the users to activate the switch and get water flow. The tap should be operated using foot switch and 12V DC water pump. The capacity of the water tank should be at least 10L. 2.11 AC System i. The BCTV must be provided with a transport grade split air conditioning system of minimum 6.5 KW with matching condenser capacity for the driver cabin. This system should be engine driven. 18 / 33ii. iii. iv. v. vi. There should be a separate air conditioning system for the blood collection area. The cooling capacity of separate generator driven AC system should be at least 6.5 KW with matching compressor and condenser and should be free flow type. However, the engine driven AC

system should also supply cooling to both driver cabin and blood donor couch compartment through ducting or free flow units during vehicle movement. There should be provision of AC ducting at both the donor couch as well as registration desk. The condenser shall be mounted on the roof top. All hoses shall be machine crimped to avoid the leakages. System shall be certified for passenger vehicle usage. 2.12 Power Supply & Management Solution i. ii. iii. iv. v. vi. The BCTV shall be supplied with super silence petrol generator of suitable power rating to run the all electrical items of the vehicle including air conditions, room lighting, and medical equipment's with pure sine wave output. The petrol generator should be mounted underneath the vehicle and should be provided with suitable muffling / canopy system to reduce the noise. The system must also include an adequate battery backup with inverter ensuring at least 30 minutes of power backup for all essential devices including the donor couch & blood storing refrigerator but excluding the air conditioning system in case of no generator power output. The vehicle should be provided with shore power sockets or external electrical points to provide power supply from external power supply units. There should be a minimum TP 65 rated external charging socket for connecting the van to an external power grid / source. The scope of supply must include a minimum 50mtr. Long connecting cable with matching adapter at one end and a generic AC power adapter / 3 pin AC plug at the other end. 2.13 Service Area 19 / 33i. The service area should accommodate the generator, control systems, battery and other general as well as special utility devices, which are necessary for running the BCTV but can be segregated separately as service utilities. 2.14 Staircase i. ii. iii. iv. v. vi. vii. viii. The side entrance door for the BCTV will have a foldable / retractable staircase. The staircase should be designed in such a manner so as to prevent accumulation of dirt. The height between each step shall be comfortable enough to walk and shall be flat during operations. Step surfaces shall be non-slippery. The staircase should be easy to handle while opening and closing. The staircase must have locks to keep it in folded condition when not in use and fully protected from any accidental opening when the BCTV is in motion. There must be safe and adequate mechanism to hold the staircase at the right point when being pulled out from its slot to fully open condition and unfolded to put it into use. The slider and the construction members of the staircase should be designed for easy cleaning and replacement of parts and accessories whenever required. 2.15 Wiring i. ii. iii. iv. v. All wires shall be concealed (channels to be provided in the walls) and so arranged that they can be readily inspected and renewed without affecting the finish of the vehicle. All the wires in the roof of the vehicle should be concealed type but with defined services points for checking as well as rewiring in case of any need. The wires shall be PVC insulated wires conforming to BIS specification. Wiring shall be of sufficient size to carry the required load without excessive voltage drop. 20 / 33 The earth return system shall be used for body wiring. vi. vii. viii. ix. x. xi. Wherever PVC sleeved cables pass through the outside body or structural members, shall have suitable grommets / bushes made out of rubber or bakelite inserted in the holes and PVC tube carrying cable be clipped as near as possible. Wires shall be permanently continuous color-coded and permanently number coated for easy identification of the various circuits. Use of tapped numbers is not acceptable. Wires shall be of sufficient length to provide a loop at terminals so as to permit ample slack for directional positioning. The length shall allow replacement of end terminals twice, without pulling, stretching or replacing the wire. Corrosion resistant full ring or interlocking terminals shall be used for terminating wire ends at components. All wires shall be continuous and terminate at appropriate connector. "T" or butt connectors shall not be used. Battery cable terminals, component terminals and connectors exposed to the ambient shall be coated with terminal corrosion preventive compound. Except for those on large wires, such as battery cables, terminals shall be machine crimped to the wiring. A ratchet type hand and crimper may be used where it is not possible to use a large machine crimper. 2.16 Electrical Distribution Points & Lighting i. ii. iii. iv. v. vi. There shall be adequate number of lighting elements in all the three areas emitting white light meant for general lighting of the compartment as required to perform general work. The lighting fixtures should be seamless in construction without any sharp edges and joineries in the frame and diffuser. The lighting fixtures should be installed in a flushed manner in the roof of the van. All the lights should be operated on 12V DC. There should be one 12V DC operated and minimum 6th wall mounted fans for each collection couch. The treatment compartment should have minimum number of power sockets for various blood and general equipment in the BCTV. 21 / 33 2.17 Awning i. ii. iii. iv. v. vi. vii. viii. The BCTV shall have two sturdy and retractable awnings with extra strong lightweight white-coated aluminum structure one on the driver side and one on the co-driver side. Awning shall be silent while opening / closing and travelling. The awning shall be of manual operation for opening and closing of the awnings. Fabric shall be Vinyl UV resistant waterproof and washable, color shall be hospital blue. Awning shall not blow over in windy conditions and shall be waterproof. The awning must have front supporting legs in the fully open condition for support and these legs must be supplied with hooks to be grouted to the ground in case of longer use or erection of the tent around the awning. A folding stirrup stair shall be provided when awning is not e

asily accessible from the ground. Dimensions : B=Minimum 375cm and C=Minimum 250cm
A = 400 + / - 20 cm. 2.18 Tent i. B = 385 + / - 20 cm C = Minimum 250 cm. BC
TV shall have a sturdy and dismountable tent with extra strong lightweight aluminum structure on co driver side. ii. iii. iv. v. The purpose of the tent is to permit a close waiting space immediately outside the BCTV, if required so. The sidewalls and the front shall be erected within 15 minutes with the help of maximum two people. The roof would be awning fixed on the co-driver side at on the roof as specified above. The back wall of the tent would be body wall of the BCTV on the co-driver side. 22 / 33vi. vii. viii. ix. x. xi. xii. 3. 3.1 3.2 Tent shall include
Front wall with window and independent flap that can be foldable or movable to right or left side. Two side panels with window. Clip insulation system comprising of two vertical rafters and side sponge. Carry bag. Tent shall be silent while opening / closing and travelling. Fabric shall be Vinyl UV resistant waterproof and washable, color shall be in a shade of blue. Canopy shall not blow over in windy conditions and shall be waterproof. Vertical rafters shall be stowed or properly fastened in an easily accessible place and shall resist the vibrations and shall not produce noise during transit. A folding stirrup stair shall be provided when canopy is not easily accessible from the ground. Dimensions : A = 400 + / - 20 cm B = Over all Height of the vehicle with BCTV loaded on the chassis frame. C = Minimum 250 cm. BLOOD COLLECTION EQUIPMENT Provision for Phlebotomy kit and Emergency Drugs Kit in form of drawers (Modular) near the donor couches. 3.2 Wall Mounted Glove Dispenser 3.3 Wall Hand Sanitizer Stand 3.4 Tissue Paper Dispenser with 50 sets of paper roll / box 3.5 Wall Mounted Digital Clock BLOOD DONOR COUCH (2 IN Quantity) Product Quality Standards : Should be USFDA / CE/ BIS approved model. CE certificate must be issued by European authority. 23 / 33
Manufacturer should be ISO 13485 certified for quality standards. Shall meet to IEC 60601-1/IS 13450, General requirements for safety of medical devices. Operational Requirements : 1. Provides a comfortable position for the donor. 2. Variable positioning for either arm with comfortably wide arm-rests. 3. Arm rests should have swinging out as well as up and down moving facility. 4. Reclining and upright body positions with a smooth shifting to any position. 5. Both sides should have supporting brackets. 6. Drawers should be provided for the upkeep of equipment & consumables. 7. If vasovagal attack occurs, the donor's head should be lowered immediately and his legs should be lifted above his heart level simultaneously so that blood can flow back to the brain and other vital organs. This facility should be available. Technical Specification : 1. Comfortable chair type without separate section for backrest. 2. Should be a single upholstery unit with soft padding for cushioning and rexine cover. 3. It should have step less electric remote-controlled backrest & leg rest adjustment. 4. Adjustable arm rest for donor's comfort and phlebotomist friendly. 5. Easily tilted to head low position, electrically operated. 6. Comfortable working level for the operator. Lifting capacity - Approx. 120 kg. 7. Storage Drawers / trays for storing consumables & Blood Collection Monitors. 8. Should have provision to fix on mobile collection van on base with support clamps. 24 / 33Scope of Supply : Donor Couch : 02 no. Dust Cover : 02 no. Storage drawer or tray : 02 no. Arm Rests (pair) : 02 pair Remote control : 02 no. Power Supply : 3.3 Power input should be 220 to 240 VAC, 50 Hz fitted with Indian plug. Suitable Servo controlled Stabilizer /CVT to be supplied. BLOOD COLLECTION MONITOR (2 in Quantity) Product Quality Standards : Should be USFDA / CE / BIS approved model. CE certificate must be issued by European authority. Manufacturer should be ISO 13485 certified for quality standards. Shall meet to TEC 60601-1/IS 13450, General requirements for safety of medical devices. Operational Requirements : It is meant for stationary and mobile use. Gentle mixing and control of collection time to give high quality blood (platelets). Suitable for all blood bags on the market, Automatic check on blood flow and collection time with buzzer alarm. Shall continuously display collected volume, flow and time during collection. Shall provide repetitive notification of completed collection every minute including gentle mixing to avoid coagulation. Technical Specification : 1. Volume Setting: Pre-selection of volume to be collected. 2. Tarring of bag volume before collection. Tarring range : 0 to 600 gm. 3. Automatic storage and recall of set volume. Measure volume with best accuracy. 4. Indications and Alarms for Commencement & end of collection, time taken for collection, blood flow rate with audio alarm when blood flow is higher than 180ml / min & lower than 20 ml/min., Main power failure. 25 / 33 5. Should have continuous notification of completed collection including gentle mixing to avoid coagulation. 6. Automatic clamping at termination of preset volume collection. 7. Should have memory for past donation volumes. 8. Should have accuracy of + / - 20% of preset volume. 9. Should have automatic release of bag when lifted. 10. Continuous agitation of blood bags during collection : 12+2 rpm. 11. Easy provision to change preset volume. 12. Should operate on mains as well as rechargeable battery. On battery it should operate for a minimum of 8 hours or minimum 60 continuous blood collections. Power Supply : Power input should be 220-240 V AC, 50Hz fitted with Indian plug. 26 / 333.4 3.5 PORTABLE TUBE SEALER (2 in Quantity) Product & Manufacturer Quality Standards : Manufacturer should be ISO 9001 & ISO 1

3485 Certified. Quoted model should be USFDA / CE / BIS approved model. Should meet the electrical safety standards of IEC / EN 60601. Technical Specification : 1. Should be a Radio frequency sealing. 2. No warm-up time required. 3. Should be Easy separation of tube segments after sealing. 4. Should have well protection for sealing head. 5. Should produce hermetic seal hence no contamination & hemolysis. 6. Should run on internal rechargeable battery. 7. Sealing time: Less than 2 sec. 8. Should have indication Lamps for Charging, Battery Low and Battery Level. 9. Should have sealing indication in the sealing head. 10. Should have minimum 1000 seals on fully charge battery. 11. Should have sealing gun along with cable length at least 2 mtr. 12. Should run on ambient temp of 10 to 40°C 13. Power supply : 220V + /- 10% 50 Hz. **PORTABLE BLOOD BAG REFRIGERATOR (2 in Quantity) Product Quality Standards :**

- Should be USFDA / CE / BIS approved model. CE certificate must be issued by European authority. Manufacturer should be ISO 13485 or ISO 9001 certified for quality standards. Shall meet to IEC 60601-1 OR IS 13450, General requirements for safety of medical devices. Should have regulatory certificate (ECE R10.4) for suitability of unit on vehicle. 27 / 33

Technical specification : 1. Should be custom made for mobile blood donor vehicles to sustain different road conditions, terrains and diverse weather conditions. 2. Specific to transport blood & blood products in hot & cold climates. 3. Should have capacity to accommodate 80 to 100 blood bags (350ml.) with internal volume of 140Hrs. 4. Should maintain internal temp. from 2 to 8 degree C consistently. 5. Should be capable to operate in ambient temp. from 10 to 40-degree C. 6. Should have temp. hold over time of minimum 12 hrs. 7. Body cabinet should be made of single piece by rotational molding and UV resistant polyurethane as per regulatory standards. 8. Should have PU foam insulation of 80 to 100 mm thickness for maintaining the required holdover time. 9. Should be specially designed to protect them from road damages during vehicle movement in diverse road conditions and easily stackable. 10. Should have hermetic sealed compressor. Power Supply : Power input should be 220-240V AC, 50 Hz fitted with Indian plug. Resettable over current breaker shall be fitted for protection. Suitable Servo controlled Stabilizer / CVT of suitable rating should be supplied irrespective of inverter supply. 28 / 33

3.6 3.7 3.8 3.9 TUBE STRIPPER (2 in Quantity) Product & Manufacturer Quality Standards :

- Manufacturer should be ISO 9001 & ISO 13485 Certified. Quoted model should be USFDA or CE or BIS approved model. Technical Specification :

- should be multi-function hand stripper with metallic hand-held instrument used for stripping, crimping and cutting of blood bag tube.
- Should have adjustable roller to match with tube with variable diameter.
- Should be made of stainless-steel body with grip material of plastisol.
- Should be suitable for all commercially available blood bag.
- Uniform radial force across the tube to prevent abrupt pressure.
- Roller material should be safe for blood bag tube.

B.P MACHINE (Aneroid) (4 in Quantity) * Manufacturers should be ISO 13485 Certified / BIS certified model. * Standing B.P. apparatus with provision for height adjustment. Vehicle should have provision for GPS facility Digital Weighing Scale 2 3.10 Stethoscopes 4 3.11 Oxygen Cylinder (B Type) with Regulator, Humidifier and Mask provision 3.12 Temperature and Humidity Indicator 1 For Cabin 3.13 One Domestic Refrigerator to be fixed and Installed for storing refreshments for the donors (Juice, Fruits etc.) 4 Demonstration of any equipment and the customization of vehicle donation area and equipment storage for maintain social / physical distancing will be as per the requirement of the user department. All arrangement (Audio-Visual or any other) for the same shall be sole responsibility of the successful bidder. 29 / 33

Technical Specifications of Blood Transportation Van for Mobile Blood Collection Centre.

- Engine: Diesel- 4 Cylinder, 4 strokes, DI
- Emission norms: Compliant with Bharat Stage- VI
- Capacity: 2500-2800 cc
- Maximum output: 45-85 kw
- Maximum torque: 250-350 nm@1400-2200 rpm
- Chassis frame: Monocoque
- Body dimension a. Overall length: 6000-7000 mm b. Overall width: 2000-2300 mm c. Overall height: 2500-2800mm Aspect d. Ratio (Height: Width): 1.2 to 1.3 e. Ground clearance: 180-210 mm f. Floor loading height: Maximum of 850 mm g. Adequate internal space to accommodate 4 (four) blood Transportation boxes as per specification. 8. Storage compartment dimension Volume: Minimum of 8 cubic meters Length: Minimum of 2800 mm Height: Minimum of 1755mm. 9. Electrical System: 2 nos. 12v batteries, 5 AH 10. Alternator: minimum of 90 AMPs @ 13.5volts 11. Fuel tank capacity: Adequate for travelling 400 kms without refuelling. 12. Payload capacity: Minimum of 1400 kgs 13. Vehicle Exterior a. Doors: Dual hinged doors with 270 degree open out at the rear, with glass view panels. 14. Seating in driver compartment: 30 / 33 b. Windows: Two quarter plate tinted windows minimum 1500mm from the ground level. c. Step well: One step well (1600mm long x 100mm wide) 400mm high at the rear door for easy exit and entry into the vehicle One bucket seat for driver and a bench type seat for two assistant. 15. Accessories: Spare wheel, vehicle tool kit, etc. 16. Vehicle Standard items: Should be as the ARAI standards 17. Gross Vehicle weight: Minimum 3000 kgs. 18. Air Conditioning: To enable temperature of 25°C + 20°C 19. Power steering: Should be provided 20. Tyres: Regular Tyre-Tube/Tubeless 21. Power Mode: a) AC b) DC with charger 22. Vehicle The vehicle should have provision of fittings for fixing Four (4) Blood Transportation Boxes with external dimension of each transportation box with

in 1000 -1500mm (L)X 800-1000 mm (W)X 600- 700 mm (H). After the award of the contract, the supplier should liaise with supplier of such boxes for fittings and electrical connections etc. 2. 3. Wheel Drive - Rear Wheel Drive Technical Specifications of Blood Transportation Boxes as approved by the Technical Committee for Specifications of 'Equipments & Diagnostics for Blood Banks' 1. Fixed two temperatures setting adjustable to +4°C and +22°C. 2. Capacity to accommodate minimum 48 blood bags of 450 ml. 3. External dimension of each transportation box should be within 1000 -1500mm (L)X 800-1000 mm (W)X 600- 700 mm (H) 4. Chest / Vertical Cabinet with built in handles and hinged door. 5. Body material should be Polyethylene (corrosion free) 6. Smooth castors with stabilizers for flexibility and movement. 7. Ambient working temperature -2°C to +43°C 8. Main power switch. 9. Microprocessor based temperature controller with integrated audio visual temperature alarm function on digital monitoring display. 10. Separate selector switch for + 4°C and +22°C temperature settings. 11. Nominal DC power 12 / 24 volt and Nominal AC power 100 - 240 volt, 50/60Hz. 12. Automatic AC / DC power supply selection. 13. Automatic Cooling / heating operation. 14. Air cooled hermetically sealed DC compressor. 15. Vehicle fixation kit. 16. Controlled fan cooling system for constant air/temperature distribution. 17. For storage of Blood bags, minimum two (2) wire basket should be provided in each box. 18. Power alarm audio and visual by LED. Audio alarm can be switched off. Temperature audio and visual high and low alarm by LED.. Note: OEM Authorization required For Vehicle, Equipments AND Fabricator

Wheel Drive : Rear wheel Drive

1. Core Blood Collection & Phlebotomy Equipment

This area is the functional heart of the coach and requires precise medical instrumentation:

- **Donor Couches (2 Nos.):** Antibacterial, adjustable, and ergonomically designed to support comfortable donor postures with broad armrests for easy phlebotomy.
- **Blood Collection Monitors / Biomixers (2 Nos.):** Used to gently mix the blood with anticoagulant during collection and accurately measure the volume drawn.
- **Dielectric Tube Sealers (2 Nos.):** Automated sealers placed near each donor couch to hermetically seal blood bag tubes safely and maintain a sterile system.
- **Automated Blood Bag Tube Stripper (1 No.):** For stripping and mixing the blood remaining in the tubing back into the bag.
- **Phlebotomy Accessories:** Tourniquets, artery forceps, surgical scissors, kidney trays, smiley balls (for donor hand-pumping), and localized cotton/swab dispensers.

2. Donor Screening & Medical Examination (Pre-Donation)

Before moving to the collection couches, donors must be examined in a dedicated, private section of the vehicle:

- **Hemoglobin (Hb) Testing Device:** Digital hemoglobinometer or copper sulphate solution setup along with sterile lancets.
- **Blood Pressure (BP) Apparatus:** Sphygmomanometer (digital or aneroid) with an accompanying stethoscope.
- **Digital Weighing Scale:** To verify the donor meets the minimum required weight criteria.
- **Clinical Thermometer:** Digital thermometer for checking vitals.
- **Medical Officer's Station:** Dedicated compact examination table, doctor's stamp area, and seating.

3. Storage & Cold Chain Management

Maintaining the integrity of the collected units on the road is strictly monitored:

- **Mobile Blood Bank Refrigerator:** A specialized heavy-duty transport refrigerator configured to securely store and maintain blood bags strictly between 2°C to 6°C.
- **Blood Transportation Boxes / Ice Boxes:** Supplementary insulated validation boxes equipped with gel packs for emergency backup or intermediate handling.
- **Temperature Sensors & Data Loggers:** To continuously track and display internal storage temperatures.

4. Emergency, First-Aid, & Waste Disposal

- **Oxygen Cylinder Kit:** Equipped with a pressure regulator, flow meter, and delivery masks to manage donor syncope (fainting) or breathing difficulties.

- **Emergency Medicine Tray:** Standardized shock/emergency kit containing medicines like adrenalin e, hydrocortisone, avil, I.V. fluids (Normal Saline, 5% Dextrose), and I.V. infusion sets.
- **Bio-Medical Waste (BMW) Management:** * **Needle Burner / Syringe Destroyer:** To instantly render used needles safe.
 - **Color-Coded Waste Bins & Sharp Containers:** Rigid, puncture-proof containers for safe disposal of sharps, blood-soiled cotton, and general plastics.

Blood Pressure Apparatus

(Sphygmomanometer) for BCTV:

- Standard **aneroid sphygmomanometer** with adult cuff (22-32 cm).
- Accuracy of ± 3 mmHg.
- Includes matching stethoscope.

As per NACO-aligned standards in Indian blood banks, a blood collection monitor typically needs:

- Microprocessor-based with $\pm 1\%$ accuracy or better
- Weighing range up to 1000 grams/ml, adjustable volume setting in 1 ml steps
- Auto-tare function for the blood bag
- Gentle oscillation mixing, usually 12–20 rpm
- Audio-visual alarms for high/low flow rate, end of collection, and no flow
- Automatic tube clamping at target volume
- Battery backup for portability

These features ensure precise volume collection with proper mixing of blood and anticoagulant. Want specs for a particular

Typical Technical Specifications (as per Indian blood bank standards, NACO-aligned tenders/GEM specs)

- **Sealing Method:** High-frequency RF dielectric heating (non-thermal, safe for blood components)
- **RF Frequency:** 40.68 MHz
- **RF Output Power:** 15–70 W (max, often around 20–50 W)
- **Sealing Time:** 0.5 to 2 seconds (typically <1.5 seconds per seal; auto-adjustable in advanced models)
- **Tube Compatibility:** Outer diameter 2.7–6 mm (standard PVC blood bag tubing); seal width minimum 2 mm
- **Seal Features:** Wide, leak-proof hermetic seal with central rupture line for easy manual separation; seamless welding
- **Operation:** Automatic tube detection (optical sensor), auto-trigger sealing; manual override option



- **Power Supply:** 220–240 V AC, 50 Hz, single phase (wide range 90–270 V in some models)
- **Power Consumption:** 80–170 VA (operating)
- **Battery Backup** (important for vehicles): Models with 300–1500+ seals per charge; rechargeable, with low-battery indication
- **Weight:** Lightweight, typically 3–5.5 kg (portable for mobile use)
- **Dimensions:** Compact, e.g., approx. 170 × 210 × 110 mm (benchtop/handheld variants)
- **Additional Features:**
 - Removable/replaceable electrodes for easy cleaning
 - Splash guard against blood splashes
 - Audio-visual indicators (Power ON, Ready, Sealing, Moisture/Electrode cleaning alarm)
 - Provision for optional handheld gun distant sealing

10. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

11. **Generic**

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

12. **Rate Contract**

ISO 9001: The bidder or the OEM of the offered products must have ISO 9001 certification.

13. **Generic**

Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

14. **Generic**

End User Certificate: Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.

15. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of

SECRETARY KALYANA KARNATAKA REGIONAL DEVELOPMENT BOARD
payable at
KALABURGI

. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.

16. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

17. **Warranty**

Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.

18. **Certificates**

The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

19. **Generic**

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller,

if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

अस्वीकरण/Disclaimer

The Additional Terms and Conditions (ATC) have been incorporated by the Buyer after approval of their Competent Authority. The Buyer, is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any restriction arising in the bidding process due to these ATCs and including the modification of technical specifications and / or terms and conditions governing the bid. All representations / grievances pertaining to the ATC clauses shall be raised with the buyer organization directly and not with GeM. If any of the clause(s) is/are incorporated by the Buyer regarding the following, the bid & resultant contract shall be treated as null & void. Further, GeM reserves the right, at its sole discretion, to cancel the bid forthwith, without issuance of any prior notice or intimation :-

1. Publishing Custom / BOQ bids for items for which regular GeM categories are available (unless such Custom / BOQ item is bunched with the major regular product Category Item).
2. Mandating procurement of / from specific Brand / Make / Model / Manufacturer / Dealer except in case of Single Bid / Proprietary Article Certificate (PAC) Buying.
3. Inclusion of disqualification criteria related to suspension of seller / service provider, where such suspension period has already expired.
4. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
5. Publishing bids on GeM for procurement of works.
6. Procurement of Goods by creating a Service bid on GeM & vice-versa.
7. Seeking sample with bid or approval of samples during bid evaluation process. However, trial / sample, as the case may be, shall be permitted in cases where trial / sample are allowed as per approved and published procurement policy of the Buyers' controlling Ministry / Department / State / Public Sector Enterprises Headquarters. If there is any violation of trial / sample clause with regard to approved policy of the Buyers' Ministry / Department / State / Public Sector Enterprises Headquarters, then this is to be determined and redressed by the concerned Buyer Organisation only.
8. Seeking experience from specific organization / department / institute only or from foreign / export experience.
9. Creating bid for items from incorrect categories.
10. Reference of conditions published on any external site or reference to external documents/clauses.
11. Asking for any Tender fee / Bid Participation fee, as the case may be.
12. Buyer added ATC Clauses which are in contravention of clauses defined in bid detail section, including specifications, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by the applicable GeM GTC.
13. Any ATC clause in contravention with GeM GTC Clause 4 (xiii) (h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
14. In a category based bid, adding additional items, through buyer added, additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogues or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

This Bid is governed by the General Terms and Conditions, conditions stipulated in Bid and Service Level Agreement specific to the Service, as the case may be, as provided in the Marketplace.

However, in case of Service, if any condition specified in General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement specific to said Service, then it will over-ride the conditions in the General Terms and Conditions.

[यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions](#)

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---धन्यवाद/Thank You---