OFFICE OF THE DEAN & PRINCIPAL
M.K.C.G. MEDICAL COLLEGE, BERHAMPUR (GM.)

Tel / Fax : 0680-2292746 / e-mail : mkcgmc.bam@gmail.ocm

TENDER DOCUMENT FOR PURCHASE OF EQUIPMENTS FOR TRANSFUSION MEDICINE

OFFICE OF THE DEAN & PRINCIPAL,
MAHARAJA KRISHNA CHANDRA GAJAPATI MEDICAL COLLEGE,
BRAHMAPUR.760 004, GANJAM, ORISSA.
***

NO. 10246 /MCB-25/Welfare/ Berhampur dated the 9th June,2025

TENDER CALL NOTICE

Sealed Tender is invited in two bid system from the Registered, Rate Contract holding firms having valid GST Registration **for supply of Equipments/Instruments for Transfusion Medicine of MKCG Medical College** so as to reach in the office of the undersigned before 21 days from the date of publication following the terms & conditions. The detailed Tender Paper, Terms & Conditions along with list of item with specifications can be downloaded from website **www.mkcgmch.org**. The undersigned reserves the rights to cancel the tender without assigning any reason thereof.

E.O.M

Dean & Principal,
MKCG Medical College,
Berhampur

2

SECTION -I

NOTICE INVITING TENDER

TENDERS ARE INVITED FROM ELIGIBLE BIDDERS AS PER THE ELIGIBILITY CRITERIA FOR MEDICAL EQUIPMENTS **FOR MKCG MEDICAL COLLEGE, BERHAMPUR**

1	Period of Availability of Tender Document	Up to 30-06-2025 [Downloadable from website: www.mkcgmch.org In case of any bid amendment and clarification, responsibility lies with the bidders to collect the same from the above mentioned website before last date of submission of tender document and the tender inviting authority shall have no responsibility for any delay / omission on part of the bidder.
2	Last date & time for submission of Tender	**Date:** 30-06-2025 **, Time: up to 5.00 pm** Address of Submission of Bid: The Dean & Principal, MKCG Medical College and Hospital Berhampur, Odisha, India (Through Speed post / Registered post/ Courier Services only
3	Date, time and place of opening of Tender	a) Technical Bid (Cover A) opening: 30-06-2025 , 5.00 P.M **(time) at the address mentioned above. (Postponed incase of unavoidable Circumstances) b) Financial Bid (Cover B):** *The date of opening of financial bid will be intimated to the firms found successful in the technical bid evaluation.* *(The Venue is* **mentioned** *above)* ***(Bidders / authorized representative may remain present at the time of opening of bid)***

Dean & Principal

SECTION -II

IMPORTANT INSTRUCTIONS TO BE NOTED CAREFULLY BY THE TENDERERS

1.	Mode of Procurement	**Through National Competitive Bidding Process. The O/o of Dean & Principal, MKCG Medical College & Hospital, Berhampur shall invite tender & evaluate the same by the technical expert. After finalization/approval of the supplier & the rate, the purchase order shall be placed by the Dean & Principal, MKCG Medical College Hospital**
2.	Purchaser	Dean & Principal MKCG Medical College Berhampur, Odisha
3.	Consignee	HODS of concerned department, MKCG Medical College, Berhampur
4.	Delivery Period	Within 30 days from issue of the purchase order.
5.	Mode of Delivery	By Air / Road / Rail
6.	Guarantee / Warranty	**5 years warranty & CMC 5 Years**
7.	Earnest Money Deposit (EMD) (The no. of equipment is mentioned in the Schedule of requirement – Section IV)	***Note: The bidder may quote for any or all the equipment by submitting the required EMD 2% of the quoted value for that equipment.*** The Earnest Money Deposit will be paid in the shape of **Demand Draft** only in favour of DEAN & PRINCIPAL MKCG MEDICAL COLLEGE, BERHAMPUR **from any Nationalized/Scheduled Bank and payable at Berhampur**
8.	Pre-qualification (Eligibility Criteria)	A. Manufacturing units / Importers are eligible to participate in the tender provided, they have (i) Import License (In case of Importer only) Rs. 2 Crore (ii) Proof of annual average turnover of ₹ in the last three (3) financial years certified by the Chartered Accountant as per the format at **Annexure V** supported by audited balance sheet/Annual Report. B. Authorized distributors on behalf of the manufacturer are eligible to participate in the tender provided: (i) They should have proof of annual average turnover of the last three (3) financial years certified by the Chartered Accountant as per the format at **Annexure V supported by audited balance sheet/Annual Report.** (ii) They should submit **manufacturer's authorization** to transact business on behalf of the manufacturer as per the format at Annexure - IV. (iii) The authorized distributor will submit the following documents in support of the manufacturer along with the tender : C. The Manufacturer or the tenderer if blacklisted either by the Tender inviting authority or by any state Govt. or Central Govt. organization for the quoted item is not eligible to participate in the tender during the period of blacklisting.
10	Performance Security	The selected firm should submit the performance security in shape of Bank Guarantee / fix deposit pledged in favour of Dean & Principal, MKCG Medical College, Berhampur, equal to the amount of 5 % of the purchase order value (excluding the tax & CMC cost) of the items within 21 days of issue of the purchase order & the same will be returned back after completion of warranty period. **The performance security shall be furnished at the O/o the Dean & Principal after getting the purchase order from the Dean.**

Dean & Principal
M.K.C.G.Medical College
Berhampur (Gm.)

SECTION -III

TERMS AND CONDITIONS FOR PURCHASE OF MEDICAL EQUIPMENTS FOR (TRANSFUSION MEDICINE)

1.1 Sealed tenders will be received till 30-06-2025 upto 5 pm by the office of the Dean & Principal, MKCG Medical College Berhampur. Any tender received after the due date & time will be rejected / returned to the sender unopened. **The tenders will be received through Regd. Post / / Speed Post / Courier Services only.** The prospective bidders may attend and clarify any doubts on the terms and conditions of the bid document.

1.2 The bidder(s) are to submit their tenders in **separate** sealed covered envelops for **technical bid** and **commercial bid** by super scribing **Cover "A" (Technical Bid) & Cover "B" (Price Bid)** and both the sealed covers should be put into a **third outer Cover**, which should be super scribed as **"Tender for Up-gradation of Medial Equipments for MKCG Medical College.**

1.3 The Sealed tenders "Cover A" (Technical Bid) submitted by the tenderers will be opened at the office of the Dean & Principal,, MKCG Medical College, Berhampur on 30-06-2025 at 5.00 P.M.

The tenderer or their duly authorized representatives are allowed to be present during the opening of the tenders if they so like.

ELIGIBILITY CRITERIA

2.1 **Manufacturing units / Importers** are eligible to participate in the tender provided, they fulfill the following conditions:

(i) Import License (In case of Importer only). In case of importers, they have to furnish the authorization from the manufacturer.

(ii) Proof of annual average turnover (Manufacturers/Importer) of in the last three (3) financial years certified by the Chartered Accountant as per the format at **Annexure V.**

2.2 **Authorized distributors** are eligible to participate in the tender provided:

(i) They should submit manufacturer's authorization from original equipment manufacturer (OEM) as per the format at **Annexure - III.**

(ii) They should have proof of annual average turnover of in the last three (3)financial years certified by the Chartered Accountant as per the format at **Annexure V.**

2.3 The tenderer have to submit the EMD(s) as mentioned **in Clause 8 of Section –II** & the Tender document cost.

Dean & Principal
M K.C.G.Medical College
Berhampur (Gm.)

2.4 Tenderer will submit the following documents along with the technical bid otherwise the bid will be rejected-

1. IT Return of last 3 financial years.
2. Pan card.
3. GST Certificate.

DOCUMENTS TO BE SUBMITTED

The following documents should be enclosed in Cover "A" (Technical Bid) by the tenderer failing which the bid will liable to be rejected.

All the photocopies are to be attested / self attested.

TECHNICAL BID :

3.1 Checklist with detail of the documents enclosed in **Cover "A"** (as per **Annexure - I**) with page number. The documents should be ***serially arranged*** as per this **Annexure - I** and should be securely tied and bound.

3.2 List of Item (s) Quoted with name of the Make & Model of the item (s)**(Annexure – II)**

3.3 Earnest Money Deposit(s) as mentioned in the **Clause 8 of Section -II** in shape of Demand Draft). Details of EMD and the name of the equipment quoted should be clearly mentioned. (IIA to be filled up)

3.4 The declaration form in Annexure - IV duly signed by the tenderer before Notary Public / Executive Magistrate.

3.5 Manufacturer's Authorization Format in **Annexure –IV** (In case the bidder is not the manufacturer). Importers are also required to furnish the authorization from the manufacturer.

3.6 Certificate duly filled by the Auditor / Chartered Accountant (as per **Annexure – V**) that the annual average turnover of the firm in the last 3 financial years (In case of bidders who are authorized distributors of the manufacturer).

3.7 Copy of Import License by the Importer (in case of Importer).

3.8 Copy of the up to date GST clearance certificate.

3.9 The Original Tender Booklet with Conditions and the schedules signed by the tenderer at the bottom of each page with his official seal duly affixed.

3.10 Details name, address, telephone no., Fax, e-mail of the manufacturer / authorized distributor / service centre / contract person **(Annexure - VII).**

N.B: Valid means the certificate should be valid on or beyond the date of opening of tender (Cover-A).

Missing of any of the above document shall liable to be rejected.

Dean & Principal
M K.C.G.Medical College
Berhampur (Gm.)

COVER – B (PRICE BID)

4. The price to be quoted for medical equipments should be sent in the prescribed price format in a separate sealed cover hereafter called Cover "B" (Price Bid). **Cover –B (Price Bid) of the tenderers who qualify in it's Technical Bid (Cover – A) and complies to tender specification & found to be as per technical specification of the Product in demonstration (if required) will only be opened.**

4.1 The tender format (Price Schedule) in duplicate in the prescribed form (as per **Annexure – IX**), must be submitted in Cover-B. The price of the item should be quoted inclusive of excise duty, insurance, packing, forwarding, freight (door delivery) and warranty for 5 years (accessories if any for installation including charges for installation/commissioning), sales tax / GST and entry tax charges (if any) should be quoted in a separate column. The rate should be quoted for ***each item*** both in figures and words. **In case of difference in words and figures, words will be taken into consideration for evaluation.**

4.2 The Cover "B" of tenderers who qualifies in their technical bid, will only be opened at the office of the Dean & Principal,, MKCG Medical College, Berhampur at a date & time which will be intimated to them.

REJECTION OF TENDER

5. The tender submitted by the bidder will be rejected, if any of the following documents are wanting / not submitted with the tender:

1	List of Item(s) – Annexure II
2	Earnest Money Deposit
3	Declaration form (Annexure – III) singed by the Tenderer & affidavit before Notary Public / Executive Magistrate
4	Manufacturer's Authorization Format to the particular agency (Annexure – V) (for distributor / Importer)
5	Proof of avg. Annual turnover of Rs. 2 Crore or more for preceding 3 financial year (for Manufacturer / Importer) or Rs. 2 Crore or more (for authorized distributors) Annexure – VI
6	Audited Account Statement (P&L Account) / Annual Report for the three financial years by highlighting the figure in it, which is mentioned in the annexure-VI
7	Photocopy of PAN
8	Photocopy of GST certificate
9	Copy of original Tender and schedules, duly singed by the Tenderer
10	IT Return of last 3 financial year
11	An affidavit to the effect that the firm has not been black listed anywhere
12	Details of Manufacturing Unit / contact person Liasioning agent / servicing centre (Annexure VII)
13	Any other document as per specification of Equipment.
14	In case lack of demonstration as per desire of Technical person i.e HOD of concerned department.

Dean & Principal
M.K.C.G. Medical College
Berhampur (Gm.)

EARNEST MONEY DEPOSIT

6.1 The amount of Earnest Money Deposit required is mentioned in the Section-II.

The Earnest Money Deposit will be submitted in the shape of **demand Draft only** in favour of **DEAN & PRINCIPAL MKCG MEDICAL COLLEGE, BERHAMPUR** from any Nationalized/Scheduled Bank payable at **Berhampur.**

6.2 The EMD of the unsuccessful tenderers will be returned back without interest after placement of purchase order to the successful tenderer and EMD.

6.3 The EMD will be forfeited if the tenderer withdraws its tender / furnish forged documents which is found during bid evaluation OR doesn't sign the contract / doesn't furnish performance security / doesn't supply the items (in case of successful bidder) within the stipulated time period.

TENDER CONDITIONS :

7.1 The details of the medical equipments with specifications are mentioned in **Section VI. The firm must clearly mention their specification, special features, upgraded version (if any), detail technical catalogue of the offered model in their tender.**

7.2 Tenders should be typewritten or computerized and every correction in the tender should invariably be attested with signature by the tenderer with date before submission, failing which the tender will be ineligible for further consideration.

7.3 Rates inclusive of excise duty / customs duty, packing, forwarding, insurance, transportation charges with **5 years onsite comprehensive warranty** and exclusive of Sales Tax/GST & Entry Tax should *be quoted for the medical equipments (Item wise) on door delivery basis. The turnkey job (cost of accessories if any required for Installation/Commissioning including installation/commissioning charges),* & Sales Tax/GST & Entry Tax *should be mentioned in separate columns.* The rates quoted should be in **Indian Rupees only.** Rates quoted in any other currency will not be accepted.

7.4 The supplier shall be responsible for delivery and due verification, installation and commissioning of the equipment in the proper site.

7.5 The rate per unit shall not vary with the quantum of order placed for destination point.

7.6 If there is difference between figures & words, words will be taken into consideration.

7.7 In the event of the date being declared as a holiday by Govt. of Odisha, the due date of sale, submission of bids and opening of bids will be the following working day at the scheduled place & time.

7.8 The price quoted by the tenderers shall not in any case, exceed the controlled price, if any, fixed by the Central / State Government / DGS&D and the Maximum Retail Price (MRP). The purchaser, at his discretion, will in such case, exercise the right of revising the price at any stage so as to confirm to the controlled price or MRP as the case may be.

7.9 No tenderer shall be allowed at any time on any ground whatsoever to claim revision of or modification in the rate quoted by him. Clerical error / typographical error, etc. committed by the tenderers in the tender forms shall not be considered after opening of tenders. Conditions such as " SUBJECT TO AVAILABILITY" / "SUPPLIES WILL BE MADE AS AND WHEN SUPPLIES ARE RECEIVED" etc., will not be considered under any circumstance and the tenders of those who have given such conditions shall be treated as incomplete and for that reason, shall be rejected.

Dean & Principal
M K.C.G.Medical College
Berhampur (Gm.)

7.10 If the relevant documents / certificates which are required to be furnished along with the tender are written in language other than English, the tendering firm shall furnish English version of such documents / certificates duly attested by a Gazetted Officer / Notary with his seal and signature.

7.11 Rate should be quoted in Indian Currency, both in words and figures against each item as the payments will be made in Indian currencies only (Annexure-IX). The tenderer shall not quote his own rate for any item other than the item specified in the list. **(Section V – Schedule of Requirement).**

7.12 Both Cover-A and Cover-B should have an **index and page number** of all the documents submitted inside that cover.

7.13 The Tax will be charged as per the guidelines given by the Finance Dept., Govt. of Odisha from time to time. GST (as applicable) will be paid to the supplier.

7.14 If any information or documents furnished by the tenderer with the tender papers are found to be misleading or incorrect at any stage the tender of the relevant items in the approved list shall be cancelled and steps will be taken to blacklist the said firm for three (3) years.

PACKAGING:

8.1 All the packaging should be New. The supplier shall provide such packaging of the goods as is required to prevent their damage or deterioration during transit to their final destination. The packaging shall be sufficient to withstand without any limitation including rough handling during transit, exposure to extreme temperature, salt and precipitation during transit and upon storage.

ACCEPTANCE OF TENDER AND SUPPLY CONDITIONS:

9.1 The Purchaser reserves the right to reject the tenders or to accept the tenders for the supply of the item tendered without assigning any reason thereof.

9.2 The Purchaser will be at liberty to terminate the contract either wholly or in part without assigning any reasons thereof. The tenderers will not be entitled to any compensation whatsoever for such termination.

9.3 The **supply should be completed within 30 days** from the date of issue of purchase order.

EVALUATION:

10.1 The price bid of the tenders who qualify in the technical bid fulfilling the eligibility criteria and complying to the technical specification shall only be opened.

10.2 The tender inviting authority may ask for demonstration (where ever required) of the equipment by the bidders at the premises of the tender inviting authority as a part of the technical evaluation before opening of price bid in order to verify the compliance to technical specification.

Dean & Principal
M K.C.G.Medical College
Berhampur (Gm.)

10.3 *The rates of* the item quoted by the tenderer who qualify technically will be evaluated after taking the following points into consideration: -

a) Rate of the medical equipments will be taken after inclusion of the excise duty / customs duty, transportation, insurance, packing & forwarding & comprehensive warranty for (2) year.

b) The cost of the medical equipments (excise duty / customs duty, transportation, insurance, packing & forwarding & comprehensive warranty for One (2) year but excluding GST).

c) The circulars issued by the Finance Department, Govt. of Odisha from time to time regarding tax matters shall be taken into account for evaluation and shall be binding on the bidders. As per the Govt. of Odisha Finance Deptt. Order No. 48317(230)/F dt.23.11.2010, in comparing the cost of an article, if purchased from within the State with the price of similar article if purchased from outside the State, the amount of Odisha Sales Tax (OST) now GST shall be deducted from the total cost since it accrues back as revenue to the State. If after such deduction, the cost of articles to be purchased within the State is not more than the cost of including Central Sales Tax, transport and other charges of similar articles from outside the State, it would be economical to purchase articles within the State.

10.4 If the supplier fails to complete the supply within the extended period (if required), no further purchase order will be placed to the firm for the said item including forfeiture of the Performance security and the concerned firm will be blacklisted for two (2) years from the date of issue of letter for the said item.

PERFORMANCE SECURITY

11.1 The selected firm should submit the performance security in shape of Bank Guarantee / fix deposit pledged in favour of Dean & Principal, MKCG Medical College, Berhampur, equal to the amount of 5 % of the purchase order value (excluding the tax & CMC cost) of the items within 21 days of issue of the purchase order & the same will be returned back after completion of warranty period. **The performance security shall be furnished at the O/o the Dean & Principal after getting the purchase order from the Dean.**

11.2 The performance Security Money will be returned back to the tenderer without interest after the expiry of the warranty period i.e. one year after the date of installation & signing of the CMC agreement.

11.3 Security money will be forfeited if there is any violation of the tender terms and conditions.

Dean & Principal
M.K.C.G.Medical College
Berhampur (Gm.)

TRANINING & OPERATIONAL MANUAL:

12.1 The firm / supplier will provide hands on training to two doctors and two technicians in his own cost for operating / handling the medical equipment(s) at the time of installation of equipment.

12.2 The supplier / firm will provide the operation / maintenance manuals of all equipments to the purchaser at the time of installation.

TERMS OF PAYMENT :

13.1 No advance payments towards cost of indented items will be made to the tenderer.

13.2 Payments as mentioned above will only be made after keeping the performance security deposit from the supplier as per clause no. 11.1, if they have not deposited the same before. Payment will only be made after ensuring signing of the Agreement, undertaking and handing over of warranty papers of equipment by the supplier to the purchaser.

13.3 The payment will be released after satisfactory report received from the consignee i.e. the HODs of the concerned Department.

Dean & Principal
M K.C.G.Medical College
Berhampur (Gm.)

ANNEXURE –I
(Refer Clause No. 3.1

CHECK LIST

(To be submitted in Cover A Technical Bid)

Note : The documents has to be arranged serially as per the order mentioned in the check list

Please put ✓ in the respective box

COVER – A (TECHNICAL BID) DOCUMENTS : SUBMITTED OR NOT

1	List of Item(s) – Annexure II	Page No		Yes		No	
2	Tender document Fee	Page No		Yes		No	
3	Earnest Money Deposit	Page No		Yes		No	
4	Declaration form (Annexure – III) singed by the Tenderer & affidavit before Notary Public / Executive Magistrate	Page No		Yes		No	
5	Manufacturer's Authorization Format to the particular agency (Annexure – V) (for distributor / Importer)	Page No		Yes		No	
6	Proof of avg. Annual turnover of Rs.2 Crore or more for preceding 3 financial year (for Manufacturer / Importer) or Rs.2 Crore or more (for authorized distributors) Annexure – VI	Page No		Yes		No	
7	Audited Account Statement (P&L Account) / Annual Report for the three financial years by highlighting the figure in it, which is mentioned in the annexure-VI	Page No		Yes		No	
8	Photocopy of PAN	Page No		Yes		No	
9	Photocopy of GST certificate	Page No		Yes		No	
10	Copy of original Tender and schedules, duly singed by the Tenderer	Page No		Yes		No	
11	IT Return of last 3 financial year	Page No		Yes		No	
12	An affidavit to the effect that the firm has not been black listed anywhere	Page No		Yes		No	
13	Details of Manufacturing Unit / contact person Liaisioning agent / servicing centre (Annexure VII)	Page No		Yes		No	
14	Any other document as per tender specification.						

Dean & Principal
M K.C.G.Medical College
Berhampur (Gm.)

Annexure II

(Refer Clause No. 3.2)

(To be submitted in *Cover A -Technical Bid*)

LIST OF ITEM(S) QUOTED

Sl.	Name of Item(s)	Name of Manufacturer	Make	Model Name	Details of offered product at Page No. (s)
1					
2					
3					

Signature of the Tenderer :

Date :

Official Seal:

Dean & Principal
M K.C.G.Medical College
Berhampur (Gm.)

Annexure IIA

(Refer Clause No. 8 of Section -II)

(To be submitted in *Cover A -Technical Bid*)

DETAILS OF EMD(S) SUBMITTED

Sl.	Name of Equipment	*EMD 2% of the quoted value* Amount (Rs.)
	TOTAL (Rs.)	

Signature of the Tenderer :

Date :

Official Seal

Dean & Principal
M K.C.G.Medical College
Berhampur (Gm.)

ANNEXURE – III
(Refer Clause No. 3.6)

(To be submitted in *Cover A -Technical Bid*)

DECLARATION FORM

I / We .....having My / our .....office at.....do declare that I / We have carefully read all the terms & conditions of tender of the _____, Odisha for the supply of medical equipments. The approved rate will remain valid for a period of three year from the date of approval. I will abide with **all the terms & conditions** set forth in the **Tender Reference no.** _____

I/We do hereby declare I/We have not been de-recognized / black listed by any State Govt. / Union Territory / Govt. of India / Govt. Organization / Govt. Health Institutions for supply of Not of Standard Quality (NSQ) items / non-supply.

I/We agree that the Tender Inviting Authority can forfeit the Earnest Money Deposit and or Performance Security Deposit and blacklist me/us for a period of 3 years if, any information furnished by us proved to be false at the time of inspection / verification and not complying with the Tender terms & conditions.

Signature of the bidder :

Seal Date :

Name & Address of the Firm:

Affidavit before Executive Magistrate / Notary Public.

Dean & Principal 14
M.K.C.G.Medical College
Berhampur (Gm.)

ANNEXURE – IV
(Refer Clause No. 2.2(i))

(To be submitted in *Cover A -Technical Bid*)
MANUFACTURER'S AUTHORISATION FORMAT

To

The Dean & Principal,,
MKCG Medical College,
Berhampur -760004, Odisha

Ref: Tender No. _____ Dated _____ for _____.

Dear Sir,

We, ---------- are the manufacturers of ---------- ---------- ---------- (name of equipment(s) and have the manufacturing factory at ----------.

1. Messrs ---------- (name and address of the agent) is our authorized distributor for sale and service of ---------- (name of equipment(s))
2. We confirm that no supplier or firm or individual other than Messrs---------- (name of the above distributor) is authorized to submit a tender and enter into a contract with you for the above goods manufactured by us.

Yours faithfully,

(Signature with date, name and designation)

For and on behalf of Messrs ----------
(Name & address of the manufacturers)
Seal
Note :

1. This letter should be on the *letterhead* of the *manufacturer (Item wise)* and should be signed by a person having the power of attorney to legally bind the manufacturer.
2. Original letter shall be attached to the technical bid.

(To be submitted in **Cover A -Technical Bid**)

Dean & Principal
M K.C.G.Medical College
Berhampur (Gm.)

ANNEXURE – V

(Refer Clause No. 3.8)

(To be furnished in the letter head of the Auditor/ Chartered Account)

ANNUAL TURN OVER STATEMENT

The Annual Turnover for the last three financial years of M/s_____who is a Manufacturer /Distributor/Importer *(Pl. tick whichever is applicable)* are given below and certified that the statement is true and correct.

Sl.No.	Year	Turnover in (Rs.)
1.	2021-2022	-
2.	2022-2023	-
3.	2023-2024	-

Average Annual Turnover (for the above three years) in (Rs.)_____

Date:
Place:
(Name in Capital)

Signature of Auditor/
Chartered Accountant

Seal

Membership No.-

Registration No. of Firm

Note:

a) *To be issued in the letter head of the Auditor/Chartered Accountant mentioning the Membership no.*

b) *To be supported by the attested photocopies of audited account statement / P&L account/ Annual Report and the figure of turnover mentioned in the format (Annexure – VI) should be highlighted there.*

Dean & Principal
M K.C.G.Medical College
Berhampur (Gm.)

ANNEXURES –VI

(To be submitted in COVER B - PRICE BID)

List of Enclosures to be submitted in Price Bid :

1) Price schedule format duly filled in and signed by the authorized signatory with company seal

2) Photocopy of GST registration certificate

Dean & Principal
M K.C.G.Medical College
Berhampur (Gm.)

Annexure VII

(Refer Clause No. 3.5)

(To be submitted in *Cover A -Technical Bid*)

DETAILS OF THE TENDERER & LOCAL CONTACT PERSON

	Corporate Office (The address in which the purchase orders and payment details will be communicated)	Local Contact Person / Branch Office / Zonal Office / Service Centre if any, in Odisha.
Name & Full Address		
Telephone Nos., landline		
Mobile		
Fax		
E – Mail		
Date of Inception	(Copy of Certificate of incorporation of Manufacturer)	
Name of the issuing authority		
Import License (in case of Importer only)	(Furnish photocopy of Import License)	
GST validity	(Furnish photocopy of GST)	
PAN		
Details of the Service Centre Facilities in Odisha/Eastern India		

Signature of the Tenderer :
with seal

Date :

Official **Seal** **:**

Dean & Principal
M.K.C.G.Medical College
Berhampur (Gm.)

To be submitted in *Cover B – Price Bid*
(Refer Clause No. 4.1 & 8.15)

FORMAT I - PRICE SCHEDULE

Whether GST paid to Government of Odisha: Yes / No . If Yes, furnish the copy of Odisha GST registration certificate

Name of the Item (s) (Items mentioned in the schedule of requirement)	Make & Model	* Price of the item which includes excise duty / customs duty, packing, insurance, forwarding / transportation (door delivery) with 5 (FIVE) year onsite warranty, calibration charges if any &excludes GST/sales tax/entry tax Cost in Rupees (both in words & figures)	***Taxes CST/GST & ET (if any) on & above the item price mentioned in col. (3) (Mention whether CST / GST and ET, the % of tax & it's value in Rs.)	Total Cost (Including of CST/GST & ET) (In Rupees)
1	2	3	4	5=3+4

* Breakup of the price of individual items of the items mentioned at col. (3) above should be mentioned separately at Annexure IXA2

** The cost of turnkey shall include any specific accessories/equipment required for installation/commissioning and . In case of turnkey, the details of accessories/equipment are to be mentioned.

*** CST/GST & ET which will be chargeable on the price (3) shall be mentioned separately in column 4 above.

*** CMC for 5 years

Date :

Place :

1. Rates should be quoted both in figures & words for each item and if there is any discrepancy, the quoted rates in words will be taken for evaluation.
2. The tenderer has to mention the make / brand, specification, warranty of all the item.

Dean & Principal
M K.C.G.Medical College
Berhampur (Gm.)

Department	Sl.No	Name of the Item	Quantity
Transfusion Medicine	1	Sterile Connecting device	1
	2	Blood Bank Refrigrator	3
	3	Deep Freezer-40 degree	1
	4	Deep Freezer -80 degree	1
	5	Plasma thawing bath	1
	6	Plasma Haemoglobin meter	1
	7	Bench toptube sealer	3
	8	Laminar Airflow	1
	9	Blood Donor couch	2
	10	Multichannel micropipette (8)	2
	11	Hot Air Oven	1
	12	Plasma Expressor	2
	13	Automated component Extractor	1

The detail specification is at annexure-A

Dean & Principal
MKCG Medical College
Berhampur

ANNEXURE-A

Sl. No	Name of the equipment	Specification	Qty
	TRANSFUSION MEDICINE		
1	Sterile connecting device	• The quoted model should be either "USFDA approved (Device listed with registration under valid FEI number / having CFG)" or CE marked as laboratory equipment under the Machinery Directive (2006/42/CE) • Quoted model should meet all electrical safety standars with following: IES Class I IEC/EN 61010-1:2010 IEC/EN 61010-2-010:2014 IEC/EN 61326-1:2013 Comply with ISO ISO 9001 -2015certified • The quoted medical device must be registered under CDSCO and submit the licence to manufacture for sale or for distribution of the medical device. If not registered, the acknowledgment copy of the online application for the said registration must be uploaded in the bid. • The manufacturer of the quoted product should have ISO-9001: 2015 Certificate FM 30402 and ISO 13485: 2016. Operational Requirement: Sterile connecting devices produce sterile welds between two pieces of compatible tubings. • Should able to accommodate & weld all types of blood bag PVC tubes used. • Tubing sizes: 3.9 to 4.5 mm (Outer diameter) and 2.9 to 3.1 mm (Inner diameter) • Mechanism and heat transfer: Two straight tubes and using a disposable wafer. • Sterility: Wafer heated up to 300 degree Celsius to maintain sterility during cutting and welding. • Welding time: less than 30 seconds • Should have seamless wielding. • Should able to join wet-wet, dry-wet, dry-dry tubes.	1
2	Blood bank Refrigerator	• Should have a chamber temperature range of 2°C to 6°C. • Should comply IEC safety /EMI/EMC standards, ISO 9001:2015 ,ISO 13485:2016 certified. • Should have a total storage capacity of 360 nos. of 450ml blood bags or 510 nos. of 350ml bags. Storage capacity per tray: • Should have effective storage volume of 600 Liter. • Should have insulation thickness of 80mm PU. • Should have a corrosion free Interior of SS 304, Thickness :0.8mm grade which helps in easy • cleaning • Should have a 18 swg CRCA/HDGI Sheet -1mm, powder coated • Should have built in microcontroller-based temperature recorder and controller unit (TRCU) positioned at eye level for better visibility and monitoring • Must have six inch, 7-day, ink-less pressure sensitive circular chart recorder and accuracy should be +/- 1 degree Celsius • Should have triple pane glass door fitted in PUF insulated door which insulates the refrigerator from atmospheric temperature and better visibility of blood bags with key lock. • Must have an internal evaporator fan for uniform temperature maintenance inside the chamber. It should switch off automatically whenever the door is opened • Should have perforated sliding Stainless steel tray which allows bags to be placed upright with sufficient airspace to reduce " Sardine effect" • Should have 5 stainless steel slide out trays • Should have separate trays fitted with acrylic panel ensures minimal loss of cooling • Should have hotline around the mouth of cabinet to prevent moisture condensation • Should have built in internal stabilizer of 1 KVA which ensures steady supply voltage for the whole blood storage cabinet and prevents voltage fluctuations	3

Dean & Principal
M.K.C.G.Medical College
Berhampur (Gm.)

Sl. No	Name of the equipment	Specification	Qty
		• Should have a factory calibrated encapsulated digital sensor dipped in liquid medium to measure temperature at an accuracy of ±0.5°C • Should have Provided with LED bulb for uniform lighting and better visibility inside the cabinet • Should include castor wheels as a standard feature *2 lockable casters in the front *2 non-lockable casters in the rear • Should have refrigeration system "On" indicator provided as a standard feature • Should have audible and visual high and low temperature alarms as a standard feature • Should have an alarm acknowledgement button • Should have a power fail alarm as a standard feature • Must incorporate a inbuilt battery backup of (12V 2.3Ah), 2hr backup with Rechargeable Sealed • Maintenance free Lead Acid Battery to ensure continuous operation of the TRCU during power failure • Should have display of 4*7 Segment LED with 0.5°C display resolution • Must utilize non-CFC, commercially available refrigerant R134a (CFC free) • Must keep the refrigerator free of frost without elevating the chamber temperature • Must have a cabinet with powder coated finish to guard against rust and corrosion • There must be eye level indications of power/Line in from inbuilt stabilizer • Chart change and Chart set options in TRCU must be available • Must have MCB protection in the input power line. • Should have negative temperature protection as standard feature. • Should have data logging feature with removable data logger. • Should have accuracy of chart with +/- 1°C • Should be compatible for working environment: • Temperature 220C to 330C Relative humidity 10 to 90% • Atmospheric pressure 700 to 1060hpa • Should comply with Storing and transportation: Temperature 200C to 400C Relative humidity 20 to 90% Atmospheric pressure 600 to 1060hpa • Should have user interface with membrane keypad. • Should have temperature sensing method with encapsulated digital sensor dipped in 0.25% glycerin solution and kept in a plastic bottle • Should have following alarm & indications: *Line - Visible *Power- Visible *Compressor on- Visible Temperature High/Low- Audible/Visible Door Open- Audible/Visible System Ok - Visible *Battery Low - Visible Power Failure - Audible/visible *Sensor failure- Audible/Visible *Chart Change- Visible • Should have following dimensions: Internal dimension:710X770X1210mm External Dimension:870 × 956 × 1865 mm with casters(+/-5mm Tolerance)	
3	Deep freezer -40°	• Should have a Chamber temperature range between -20 ° C to -40° C • Should have an input voltage of 230+/-10%V/50Hz, Single phase Ac • Should have an inner chamber storage volume of 300L with a total storage capacity	1

Dean & Principal
M K.C.G.Medical College
Berhampur (Gm.)

Sl. No	Name of the equipment	Specification	Qty
		of 320 no's of 250ml plasma bags • Should comply IEC safety /EMI/EMC standards, ISO 9001:2015, ISO 13485:2016 certified • Should have built in microcontroller-based temperature recorder and controller unit (TRCU) • Should include caster wheels as a standard feature: 2 lockable casters in the front 2 non-lockable casters in the rear • Must have six inch, 7-day, ink-less pressure sensitive circular chart recorder and accuracy should be +/- 1 degree Celsius • Must have a Heavy gauge, cold rolled annealed exterior with powder coating-1.5mm thick HDGI sheet – Powder coated Interior- 1 mm thick Stainless-Steel sheet of 304 Grade • Should have 3 adjustable stainless-steel trays to place the bags. (4 compartment) • Should have stainless steel interior doors with magnetic latches that ensure secure storage and less cold air loss during opening and closing of doors. • Refrigerating fluid & PUF insulation should be CFC free • The door insulation should have a PUF thickness of 125 mm with rubber gasket sealing to ensure more temperature holding time and reduced power consumption • Should have hotline around the mouth of cabinet to prevent moisture condensation • Should have 12 hours Battery backup for TRCU that keeps the temperature monitoring uninterrupted • Should have user friendly alarms and indications to display all possible abnormalities • Should have display of 4*7 Segment LED. • Should have audible and visual high and low temperature alarms as a standard feature • Should have a chart recorder with chart duration of 7 days and chart resolution of 3° C • Must have a high-capacity air cooled condenser • Should have controlled voltage stabilizer of 4 KVA should be included • Should have hermetically sealed compressor which automatically regulate according to the freezer • Display resolution of controller should be 0.1C • Chart Range should be -100C to +50C • working environment should be Temperature: 22°C to 30°C Relative Humidity: 10 to 90% Atm Pressure: 700 to 1060hPa • Storage & Transportation: Temperature: 20°C to 40°C Relative Humidity: 20 to 90% Atm Pressure: 600 to 1060hPa • It should have temperature sensor RTD sensor-PT100 • Should have dimension (mm) External:805 x 895 x 1940 Internal:550 x 500 x 1100 (+/-5mm Tolerance) • Should have following alarm & Indications: Compressor on - Visible High/low temperature- Audible/visible Door open- Audible/visible Battery low- Visible	

Dean & Principal
M.K.C.G.Medical College
Berhampur (Gm.)

Sl. No	Name of the equipment	Specification	Qty
		Power on- Visible Power fail- Visible	
4	Deep freezer -80^0	• Should have a Chamber temperature range between -50 °C to -80°C(at 22 to 30°C ambient temperature) • Should have an input voltage of 230+/- 10% VAC 50Hz, Single phase Ac • Should have an inner chamber storage volume of 300L with a total storage capacity of 320 nos of 250ml plasma bags • Should comply IEC safety /EMI/EMC standards, I ISO 9001:2015, ISO 13485:2016 certified. • Should have built in microcontroller-based temperature recorder and controller unit (TRCU) positioned at eye level • Should be heavy duty refrigeration system, maintenance free, with hermetically sealed refrigeration compressors reliable refrigeration with minimum noise & vibration • Should include caster wheels as a standard feature 2 lockable casters in the front 2 non-lockable casters in the rear • Must have six inch, 7-day, ink-less pressure sensitive circular chart recorder • Must have a Heavy gauge, cold rolled annealed exterior with powder coating Interior:1.2mm thick Stainless-Steel sheet of 304 Grade Exterior: 1.5mm thick HDGI sheet – Powder coated • Should have adjustable stainless-steel trays to place the bags. • Should have stainless steel interior doors with magnetic latches that ensure secure storage and less cold air loss during opening and closing of doors. • Refrigerating fluid & PUF insulation should be CFC free • Should have an ergonomically designed door handle with self-pushing mechanism • The door insulation should have a PUF thickness of 125 mm with rubber gasket sealing to ensure more temperature holding time and reduced power consumption • Should have hotline around the mouth of cabinet to prevent moisture condensation • Should have triple point rubber gasket sealing which reduces impact of ambient temperature and humidity in inner chamber • Should have 12 hours Battery backup for TRCU that keeps the temperature monitoring uninterrupted • Should have user friendly alarms and indications to display all possible abnormalities • Should have display of 4*7 Segment LED with 0.1°C display resolution • Should have audible and visual high and low temperature alarms as a standard feature • Should have a chart recorder with chart duration of 7 days and chart resolution of 3° C • Must have a high capacity air cooled condenser • Servo controlled voltage stabilizer of 5 KVA should be included • Should have two hermetically sealed compressor which automatically regulate according to the freezer • Should have pressure sensitive mechanism to protect the compressor in long run • Should have temperature sensing method as RTD sensor placed in a stainless-steel bracket fitted at the left side of the second compartment from the bottom side. • Should have chart range -100 to +50 C • Display resolution of controller should be 0.1C • should comply with Working environment : Temperature: 22°C to 30°C Relative Humidity : 10 to 90% Atm Pressure : 700 to 1060hPa	1

Dean & Principal
M.K.C.G.Medical College
Berhampur (Gm.)

Sl. No	Name of the equipment	Specification	Qty
		• Should comply with Storing environment: Temperature: -20°C to 40°C Relative Humidity: 20 to 90% Atm Pressure: 600 to 1060hPa • It should have following dimensions: External :805 x 825 x 1940 (mm) with castor wheel. Internal:550 x 500 x 1100(mm) (+/-5mm Tolerance)	
5	Plasma thawing bath	• Should be able to thaw plasma bags at preset temperature between 37 °C to 56 °C • Should have removable Stainless-steel trays with individual compartments for holding 12 plasma bags • The inner tank should be made of stainless steel • Should have a uniform and optimum thawing mechanism – pumping mechanism by high capacity pump • Total weight should not exceed 35kg • Should have a display resolution of 0.1°C • Should have a 2-line 4x7 LED display • Should have a microprocessor based digital controller to control temperature • Should have a external dimension, not greater than 701mm x 390mm x 372mm (L x W x H) (+/-5mm Tolerance) • Should have ISO 9001:2015, ISO 13485:2016	1
6	Plasma hemoglobinometer	Specifications Plasma/Low Hb Analyzer / plasma Hemoglobinometer: • Method : Modified Azidemethemoglobin reaction • System : System should consist of a factory calibrated analyzer and a disposable microcuvettes • Microcuvette : The microcuvettes should be made of polystyrene plastic containing sodiu deoxycholate, sodium azide, sodium nitrite and nonreactive ingredients. • Calibration : Factory calibrated against ICSH reference method. Needs no further calibration • Measuring Range : 0 to 3.0 g/dL • Measurement : Measurement at 570 & 880 nm to compensate for turbidity • Analyzer should carry CE mark. • Should be US FDA cleared • Manufacturer should have ISO 13485 certification • Analyzer Complies with IVD Medical Device Directive 98/79/EC • Measuring Time : Within 60 seconds • Sample Material : Plasma, serum, aqueous solutions or stored erythrocyte suspensions • Sample Volume : ~ 20 µL	1

Dean & Principal
M.K.C.G.Medical College
Berhampur (Gm.)

Sl. No	Name of the equipment	Specification	Qty
7	Bench top multi headed tube sealer	TECHNICAL SPECIFICATION OF BLOOD BAG TUBE SEALER	3

Specification	Specification Name	Bid Requirement (Allowed Values)
PRODUCT TECHNICAL INFORMATION	Type of Model	Bench Top
	RF output frequency	40.68 MHz
	Equipped with extended portable hand unit with coaxial cable	No
	Length of coaxial cable	1.5 to 2.0 meter
	Visual indication for	Ready, Seal, Power
	Indicator lamp for sealing process	On Main Unit
POWER SOURCE	Power Source	230 ± 10 Volts / 50 Hz AC, fitted with appropriate Indian Plug
	Suitable voltage corrector with spike protector inclusive in the scope pf supply	Yes
CERTIFICATIONS, STANDARDS & SAFETY	Product certifications	EU-CE Class II A
	Manufacturer certifications	ISO : 13485 & ISO:9001, ISO:9001
WARRANTY & MAINTENANCE	Warranty in Years (Option of comprehensive warranty is available through bidding only, which if opted will supersede normal warranty in the catalogue)	Or higher (year)

Additional Specification Parameters - Blood Bag Tube Sealer (Dielectric Tub

Specification Parameter Name	Bid Requirement (Allowed Values)	
Should	have Automatic detection of the tube by pressing of a lever which activates sensors	
The Equipment	must not have warm up time before sealing	
Should have separable	separable rupture line to separate tube ends after sealing	
Should have easy to clean	easy to clean electrodes which are easily accessible protected by cover	
Weight	should not more than 6 kg must be operational on 200 watt	

8	Laminar air flow	22) Laminar Air - Flow Bench	1

Product& Manufacturer Quality Standards:

1) The quoted model should be either "USFDA approved (Device listed with registration under valid FEI number / having CFG)" or "European CE certified (where EU-CE certificate should be issued from notified body)" or "BIS certified conforming to the standard BIS specification/ guideline specifically for "Laminar Air- Flow Bench".
2) The quoted model should confirm to "IEC 60601" or "IEC 61010" or "IS/ ISO / IEC 60601 (Part 2)" or "IS 13450 (Part 1)". Should mandatory conform to IEC 61010- 2-40 for the safety requirements for electrical equipment for measurement, control, and laboratory use.
3) The quoted medical device must be registered under CDSCO and submit the license to manufacture for sale or for distribution of the medical device. If not registered, the acknowledgment copy of the online application for the said registration must be uploaded in the bid.
4) The manufacturer of the quoted product should have EN ISO 13485 certificate issued from a notified body or ICMED 13485 (with or without plus) certificate issued from certification bodies accredited by NABCB or ISO 13485 certificate issued from certification bodies accredited by NABCB / Nationally Recognized Accreditation Board under IAF MLA.
5) Should comply EN 12469:2000 or NSF/ANSI 49 standards towards basic requirement for Microbiological safety cabinets.

Application: A Laminar flow hood/cabinet is an enclosed workstation that is used to create a contamination-free work environment through filters to capture all the particles entering the cabinet. These cabinets are designed to protect the work from the environment and are most useful for the aseptic distribution of specific media and plate pouring.

Specifications	Requirement
1. Working principle	The Laminar Airflow UV Chamber when switched on, the blower unit should create a suction pressure through the primary filter (or Pre-filter), which removes dust particles of above 10- micron size in the first stage. Subsequently, the filtered air passed to the HEPA filters, where the particles or substances of 0.3- micron size and above are removed. Finally, the ultra-clean filtered air supplied to the working chamber as a uniform airflow to perform precision analysis activities
2. Cabinet (Material of construction)	The system should have a. Laminar Air Flow Cabinet should have fully enclosed bench designed. b. The Laminar flow bench should have Stainless Steel SS 304 table with MS coated tubular. c. The frame and body should be made of CRCA sheet metal construction with powder coated finish. d. Laminated Unit should also have stand by control system with lock and key.

Dean & Principal
M.K.C.G.Medical College
Berhampur (Gm.)

Sl. No	Name of the equipment	Specification	Qty

3. Unit	The unit should have a. Should have LCD display to show measured parameters like exhaust air flow, flow velocity, cabinet temperature, UV/FL elapsed hour timer (Non resettable), UV/FL lamp on/off, HEPA filter life span (Non resettable). b. Unit should have Differential pressure indicator.
4. Cleanliness level	The system should have CLASS 100 (ISO 5 for particle sizes 0.5 μ < 3530 particles/M³ of air at both at Rest & Operation Condition as per ISO 14644 –1
5. Working area	Minimum 4 ft (W)x 2 ft (D) x 3ft (H)
6. Work table	a. It should have SS 304 grade Stainless Steel with finish 4 polishsurface Front door b. 5 mm thick clear Acrylic Sheet - Vertical sliding
7. Floor standing Base stand	Have leveling feet or locking casters or motorized height adjustment.
8. Direction of flow	Horizontal airflow
9. Airflow Speed	Filter face Velocity should have 100 Feet/Minute ± 20 (0.45 to 0.65 m/s).
10. Blower Assembly	It should have one set blower system which consists of dynamically & statically balanced aluminium centrifugal impeller driven by 1/4 HP, single phase,1200 to 1400 RPM motor, enclosed in an PU coated GI casing suitably suspended in a pair springs & connected to the filter chamber through flexible canvas duct. The Blower motor should be dynamically balanced, with low noise & vibration. The Motor shall confirm to ISI or any international standards.
11. HEPA Filters	The filters should have a. Size: 30" x 18" x 3" b. Type: Separator less type, Mini-Pleats HEPA c. Media: Ultra clean glass fiber paper d. Initial Pressure: 16 mm WG e. Grade: H13 rating f. Filter class: H14 according to EN 1822:2009 g. Retention: 0.3 Micron Efficiency: 99.997% or better (TEST Report from NABL accredited lab should be submitted)
12. Pre-Filters	a. Size: 600 x 300 x 65 mm b. Media: Synthetic, non-woven polyester c. Casing: Epoxy painted GI frame d. Retention: 10 Micron & above e. Efficiency: 90% f. Initial Pressure: 8 mm WG g. Grade: F7 rating
13. Particle Retention	0,3 Micron
14. Visual & audio alarm	For low exhaust flow, exhaust fan malfunctioning.
15. Noise level	< 60 dBA±5

16. Power Supply	a. Power supply should be 220-230 V, 50 Hz. b. All components should be UL listed or CE marked c. Should be supplied with suitable voltage corrector/stabilizer.
17. Illumination	Externally mounted illuminating lamp with separate switch to illuminate the work area.
18. Light	a. High intensity, low wattage >800 lux b. It should be 15 Watts, ,1½ Feet length– 1 No. each
19. UV lamp	Pre-mounted germicidal UV lamp (30 W) with separate switch with UV light hours run indicator.
20. Other accessories	a. Two gas outlets in the working area, one on each side wall Leveling Screws & Castor Wheels b. PAO (Poly Alpha Olefin) test port Easily changeable pre-filters c. Fitted with UV Germicidal lamp for sterilization. d. Pre-installed pressure gauge for Measurement of HEPA Filters Choking system. e. Ensure noiseless operation and anti-vibration construction provides efficient working environment. f. Audible or highly visual alarm for filter replacement warning
21. Electrical sockets or Pass Through Ports	a. Side mounted switches for minimum three (15/5 amp) electrical sockets for ancillary equipment operation or b. Convenient rear-wall pass through ports for safe routing of instrument cords, cables and leads for 15/5 amps multiple c. socket with switches on the wall.
22. Standards Compliance	Performance specifications and construction must meet or exceed OSHA, ANSI and relevant international standards to assure operator safety
23. Certification required for sign off	a. Test Certificate for Mini-Pleat HEPA Filters b. Calibration Certificate for Pressure Gauge c. Calibration Certificate for Air Velocity Anemometer
24. Spares	a. Spare compatible UV lamp: 2 Nos b. A spare HEPA filter for chamber: 1 No
25. Warranty	Should have 3yrs. of manufacturer warranty excluding consumable parts.

Dean & Principal
M K.C.G.Medical College
Berhampur (Gm.)

Sl. No	Name of the equipment	Specification	Qty
9	Blood donor couch	• Should comply IEC safety /EMI/EMC standards, ISO 9001:2015 ,ISO 13485:2016 certified and CE marked as Class 1 • Should have a maximum lifting capacity of upto 150 Kg • Should have Lockable castors for easy mobility • Should have an adjustable head rest • Must have variable positioning for either arm with comfortably wide armrests which are swivelable and height adjustable • Must have interfacing facility with blood collection monitor • Should have Optional Trolley • Should have comfortable chair type with soft padding for cushioning and rexine cover. The soft upholstery should have a thickness of 100mm • Must be a three motored equipment and could be adjustable to any position between seating / donation position and vasovagal attack position • Must have a wired remote control for easy movement to any position between seating & vasovagal attack position • The remote control should also have three memory positions for easy adjustment at times of urgency • Should have Trolley as optional accessories • Must have a single switch/ button to quickly adjust to vasovagal position with remote control. • Must have a noise free mode of operation • Should have following dimensions : Length of seat: 550±20mm Length of back rest: 900±20mm Seat Width: 600±20mm Leg rest length: 650±20mm Length of arm rest: 600 ±20mm Width of arm rest: 150±10mm Overall Length (Trendelenburg Position):2200±20mm Overall Width (Both Armrests fully open):1850±20mm Overall height (Lifting column fully extended):1580±20mm • Working environment Temperature: 5 °C to 40 °C Relative humidity: 20% to 90% @ 30°C – not condensing Atmospheric Pressure: 800 to 1060hPa	2

Dean & Principal
M K.C.G.Medical College
Berhampur (Gm.)

Sl. No	Name of the equipment	Specification	Qty
10	Multichannel micropipette (8)	**A. Product & Manufacturer Quality Standards:** I. The quoted model should be either "USFDA approved (Device listed with registration under valid FEI number / having CFG)" OR "European CE certified and CE marked" OR "BIS certified conforming to the standard BIS specification/ guideline specifically for 'Micro Pipette'." II. The manufacturer of the quoted product should have EN ISO 13485 certificate issued from a notified body OR ICMED 13485 (with or without plus) certificate issued from certification bodies accredited by NABCB OR ISO 13485 certificate issued from certification bodies accredited by NABCB / Nationally Recognized Accreditation Board under IAF MLA. III. The quoted medical device must be registered under CDSCO and submit the license to manufacture for sale or for distribution of the medical device. If not registered, the acknowledgment copy of the online application for the said registration must be uploaded in the bid. IV. The quoted model should comply with QC & calibration according to ISO 8655 from a testing laboratory which should be ISO/IEC 17025 certified for testing and calibration. **B. Application:** Micropipettesareusedto measureand deliveraccuratevolumes ofliquid in any analytical measurement. It should be autoclavable with high precision, robust and reliable, corrosion resistant piston and sealing material to allow smooth pipetting. **C. Technical Specification:** 1. Should be ergonomically designed with light & smooth plunger action by tension free spring mechanism. 2. Should have rugged construction suitable for multi-user environment. 3. Effortless single hand operation, fixation of adjustable volume setting, volume lock, pipetting and tip ejection, all operations with the same hand. 4. Should have soft feel handle grip having both left & right hand operation. 5. Should have locking mechanism to prevent accidental volume change during pipetting. 6. PipetteTip Cone: a) Pipette tip cone should be compatible to universal tip type suitable for any make of micro tips. b) Pipette tip cone should be removable for easy cleaning, maintenance and autoclaving. c) The tip cone should have leak free operation, smooth and light loading operation with choice of using variety of tips. 7. Should be fully autoclavable at temperature of 121 deg C and should be UV resistant. 8. Should have larger and clear 3 digit display giving smaller increment for wider selection of volume. 9. Air displacement type: Variable volume pipette (manual) having the followings: Cl no — Type — Range — Increment a) — 8 channel — 20–200 µL — In between adj to 0.5 µL (Precision / Accuracy :– Within ± 3% at 20µL & ± 1% at 200µL) NOTE-Provide relevant literature forconfirmationof error values. Else shortlisted confirmatorydocuments will berejected) 10. Should have in house repair and calibration facility. 11. Each pipette must have an individual identification number engraved and also have an individual labeling area. D. Accessories: Suitable Tips forall pipettes, Tip boxes. Rotatableholderwithlargerubberfeetprotectionfromliquids spilled on bench top to hold and store at least 6 pipettesin upright position. E. Warranty: Should provide 1 year comprehensive warranty excluding the consumables with provision of onsite as well as factory calibration. Note: 1) Bidder has to supply the micro-pipette set as mentioned above in the technical specification from the same OEM/Brand only. Provision of micro-pipettes from different OEMs/Brands shall lead to rejection of the bid. 2) Refurbished micro-pipettes shall not be allowed.	2

Dean & Principal
M.K.C.G.Medical College
Berhampur (Gm.)

<table>
<tr><th>Sl. No</th><th>Name of the equipment</th><th>Specification</th><th>Qty</th></tr>
<tr><td>11</td><td>Hot Air Oven</td><td>
<table>
<tr><td colspan="2">Application:Fordryingglasswareandalsoforconditioningofheatsensitivemicrobiologymedlaandtoprovideanoptimal,homogeneous,temperatureuniformityandstabilitytoensuredrying is complete</td></tr>
<tr><td>Specifications</td><td>Requirement</td></tr>
<tr><td>Materialofconstruction</td><td>• Should have double walled construction, with highqualityinsulatedsteel.Innerwallsof304qualitles SS,OuterwallsofEpoxyPowdercoatedGIsheets/texturedSS.
• Facilityforadjustableshelves,8-10removableshelvesto beprovided.
• With internal lighting facility, Insulated door fittedwithheavyhinges,mechanical doorlock.</td></tr>
<tr><td>Capacity</td><td>200-600L</td></tr>
<tr><td>Temperaturerange</td><td>• Temperatureshould bethermostaticallycontrolled
• ItshouldbeAmbient+5°Cto250°Cwithtemperature setting accuracy ±0.5 °C with forced aircirculationfortemperatureuniformity
• Separate PT 100 sensor and display for temperature(LED/TFT)
• Safetyalarms</td></tr>
<tr><td>Unit</td><td>• Airventilators to beprovided on bothside
• The equipment should be provided withmicroprocessor controlled digitaldisplay
• Temperaturehomogeneitybetweentopandbottom shelvesshouldbemaintainedbyforcedCirculation
• Certificatefromanlso17025accreditedlabfor3different temperaturepoints</td></tr>
<tr><td>Powersupply</td><td>Allelectricalperipheralsrequiredforsmoothfunctioning e.g.voltagestablizersshould beprovided.</td></tr>
<tr><td>Accessories</td><td>Should have all the accessoriesrequired for thefunctioningof theequipment.</td></tr>
<tr><td>Certificates Performance andsafety standards (specific tothe device type); Localand/orinternational;</td><td>• Shouldbecompliantwiththerequirementsof FDA/CE /BIS
• Electricalsafetyconformstothestandardsforelectrical safety- IEC 60601- General requirements(orequivalentBISStandard)
• Certifiedtobecompliantwith IEC61010-1,IEC61010-2-40 forsafety</td></tr>
<tr><td>Supplier/Manufacturer</td><td>Mustbe ISO certifiedforquality</td></tr>
</table>
</td><td>1</td></tr>
<tr><td>12</td><td>Plasma Expressor</td><td>• Should comply with safety requirements, ISO 9001:2015 ,ISO 13485:2016 certified. CE marked under Machinery directive
• Should have a body material with spring loaded acrylic sheet
• The handle should be with ball which helps easy handling for expressing the plasma
• Should be transparent plate which allows easy visibility of the level of expressing the blood product, with bag pressing mechanism
• Should have spring force :3.25+/-0.25Kgf
• It should weigh not more than 4.25kg
• Should be user friendly
• Mode of operation should be Manual mode</td><td>2</td></tr>
<tr><td>13</td><td>Automated component Extractor</td><td>1. Should be Compatible with various blood bag systems such as Top & Top, Top & Bottom Bag, Triple Bag etc.
2. It must offer best stability and recovery of components with stable interface.
3. Ability to adjust interface position by small increment.
4. Auto calibration of sensors to work with both lipemic and green plasma.
5. There must be three cannula breakers.
6. Machine must remove air from plasma bag.
7. Should have Clear graphical display allows each step of the separation process
8. Must have three weighing scales with precision of +1g to measure of all primary and all secondary components.
9. If needed weight in gm measured by the scales should be converted into ml
10. Should have option to configure 100 programs with the combination of 11 protocols.</td><td>1</td></tr>
</table>

Dean & Principal
M K.C.G.Medical College
Berhampur (Gm.)

Sl. No	Name of the equipment	Specification	Qty
		11. Should have Automatic calibration of scales, detectors and press position 12. Should have four clamps cum tube sealers and one flow regulator to control plasma. 13. Should have eighteen optical sensors to detect blood component interface for accurate separation. 14. Volume of components & processes should be defined by preprogramming. (Blood bags without SAGM and quantity of SAGM, plasma & platelet). 15. Should have Warning messages for- timely calibration & error messages in case of abnormal functioning. 16. Power: 90 VAC 84 W 1 A, 250 VAC 81 W 0.4 A 17. Adjustable sealing time from 0.5 to 4 second, frequency 40.68MZ 18. Operating condition: Temperature from +5C to +45C 19. Classification: Class I 20. Compliance: UNI EN ISO 13485:2012, EN60601- 1:2006,	

Dean & Principal
M K.C.G.Medical College
Berhampur (Gm.)