[2015-16]

District NCD Cell under District Healthcare Society, Raipur Tender for Turnkey setup of Cardiac Care Unit (CCU) at Raipur under NCPDCS Prog.

| --- | --- | --- | --- |
| **Member Secretary** | **Member(NCD)** | **Member(NCD)** | **Member(NCD)** |

Chairman
NCD Purchase Committee

NOT TRANSFERABLE

Ref.No: 003/E(P) /NCD/CCU/2014, Dt. 18/03/15 REVISED

NON-COMMUNICABLE DISEASE CELL.
(Office of the Chief Medical and Health Officer)
CMHO Office Parisar,
First Floor, D.K.S Bhavan, Old Nurses Hostel, Raipur - 492001
Phone: 0771-2535315
Website: www.raipur.gov.in, www.ncdcellraipurcg@gmail

TENDER FOR THE SUPPLY AND INSTALLATION OF CARDIAC CARE UNIT AS A TURNKEY PROJECT

To NCD-NPCDCS&NPHCE PROGRAMME BY CHIEF MEDICAL & HEALTH OFFICER,RAIPUR,CHHATTISGARH,INDIA

(AS PER ANNEXURE I)

FOR THE YEAR 2015-2016

Revision(If any) -(As Revised upto 18/03/2015)
Reason for Revision (If any): Addition of more equipments to schedule of requirement Annexure – 1 & related minor correction in Tender document

LAST DATE FOR SUBMISSION OF TENDER: **21/04/2015**

NON-COMMUNICABLE DISEASE CELL.
(Office of the Chief Medical and Health Officer)
CMHO Office Parisar,
First Floor, D.K.S Bhavan, Old Nurses Hostel, Raipur
Phone: 0771-2535315
Email: ncdcellraipurcg@gmail.com

TENDER FOR THE SUPPLY OF MEDICAL EQUIPMENTS TO NCD-NPCDCS &NPHCE PROGRAMME BY CHIEF MEDICAL & HEALTH OFFICER RAIPUR,CHHATTISGARH FOR THE YEAR 2015-16

TENDER REFERENCE	:	003/E(P)/NCD/CCU/2015**Dt.18.03.2015**
TENDER WEBSITE	:	https://raipur.gov.in
DATE OF TENDER UPLOAD	:	**23/03/2015**
STARTING DATE OF BID SUBMISSION	:	**23/03/2015**
LAST DATE AND TIME FOR SUBMISSION OF TENDER	:	21**/04/2015, 4:30 pm**
TIME AND DATE OF PRE-BID MEETING	:	**13/04/2015, 04:00 pm**
TIME AND DATE OF OPENING OF TENDER - COVER A (TECHNICAL)	:	**22/04/2015, 01:00 pm**
TIME AND DATE OF OPENING OF TENDER -COVER B (Price)	:	**24/04/2015, 01:00 pm**
PLACE OF OPENING OF TENDER	:	**First Floor, D.K.S Bhavan, Old Nurses Hostel, Raipur, Chhattisgarh**
ADDRESS FOR COMMUNCATION	:	**NON-COMMUNICABLE DISEASE CELL. (Office of the Chief Medical and Health Officer) First Floor, D.K.S Bhavan, Old Nurses Hostel, Raipur, Chhattisgarh**

TENDER PROCESSING FEES : Rs. 2500/- (Inclusive of Tax) (Non-Refundable)

TENDER NOTICE

TENDER FOR SUPPLY ,INSTALLATION AND ESTABLISHING CARDIAC CARE UNIT-FOUR (4) BEDDED IN A TURNKEY PROJECT 2014-2015

Tenders are invited on behalf of Government of Chhattisgarh by the Chief Medical & Health Officer (CMHO),FOR NCD-NPCDCS PROGRAMME, Chhattisgarh, RAIPUR CG., from Licensed manufacturers/ Authorized dealers/representative /Importers/Bidders , holding good market standing for the supply and installation, commissioning and establishing Cardiac Care unit in a Turnkey Project for minimum 6 (bedded) beded CCU in Institutions of District Health Society of Raipur Chhattisgarh. for District Hospital –Pandri Raipur.

The details of tender, gist of scope of work with indicative quantities of Medical and Non Medical equipments and both and Tender Documents are made available from under signed upto 21-04-2015 before 4.30 PM on any working day during office hours by giving an application and demand draft/E-Transfer/RTGS for Rs 2500=00 favouring District Health Society NCD Raipur C.G which is not refundable.The tender document can also be obtained by post on extra payment of Rs 200=00.This office will not be responsible for non delivery/delay of tender documents sent by post. The bidder shall have to pay for the bid submission fee as per the slabs mentioned in the form while submission of bid. The last date/ time of submission of the tender documents is 21/04/2015, 4:30 PM.

Chief Medical and Health Officer
NCD-NPCDCS PROGRAMME
District Health Society Raipur, Chhattisgarh

Instructions:

Complete set of tender documents comprising prequalification document, General Conditions of contract, Instructions to Bidders & Specific conditions of contract ,Technical specifications, Bill Of Quantities has been made available at **website www.raipur.gov.in.**

Interested applicants may download the same. The interested applicants/firms may also check their eligibility for the tender. Interested applicants/firms may see the complete set of tender documents in the website. However in case of downloading of tender documents from websites it will be the responsibility of applicants/firms to ensure that complete tender documents has been downloaded Interested applicants/firms may like to attend the pre bid meeting which shall be held at office of the Chief Medical and Health officer, Old Nurses Hostel, Raipur on 21/04/2015, 4:30 PM. The tender document containing in Two bid system shall be submitted envelope wise separately complete in all respect along with requisite amount of bid security in favour of purchaser mentioned in the document before due date and time as mentioned above. Purchaser reserves the right to accept or reject any application without assigning any reason or incurring any liability whatsoever. Prospective bidders are advised to regularly scan through web site/Notice board of purchaser as corrigendum/amendments etc., if any, will be notified on the web site/ Notice board of purchaser and separate advertisement will not be made for this.

Chief Medical and Health Officer
NCD-NPCDCS Programme
District Health Society
Raipur, Chhattisgarh

Procurement policy:

To procure good quality product/services at their true worth though adopting fair, transparent system by providing equal opportunity to all prospective agencies.

INSTRUCTIONS FOR DOWNLOADING OF TENDER DOCUMENTS FROM INTERNET AND ITS SUBMISSION

1. The tender documents for the Construction and establishment of CCU unit-Four (4) Bedded as a Turnkey project at District Hospital Pandri at Raipur can be obtained form the website http://www.raipur.gov.in and the offers can be given on the same subject to the conditions given below which shall be carefully studied by the intending bidders and offers submitted accordingly.

2. The tender documents shall be carefully downloaded from the website and the same shall be printed carefully, The tender documents so downloaded shall be complete in all respects, which shall be the sole responsibility of the bidder(s), and the purchaser shall not be liable for any mistakes/loss or corruption of data in the downloading and/ or printing. The end of each set of documents of the tender documents should marked in bold letter as "END OF each sections pages. and , which may be checked while downloading the tender documents to ensure that the complete tender documents has been downloaded. The tenderer (s) must also compare the document as printed with the document as uploaded on the website. The tenderer(s) shall sign the undertaking given in ANNEXURE – III failing which the offer given by them shall be summarily rejected.

3. A master copy of the document downloaded from the website mention above shall be kept at purchaser Office, at NCD section . In case of any discrepancy between the tender document printed and submitted by the bidder after downloading form the website and the Master Copy, the later shall prevail and shall be binding on the tenderer(s). The offer received shall be deemed to have been submitted on the document as uploaded and appearing in the website mentioned above whose Master Copy is kept in the office of tender inviting authority.

4. The tenderer(s) shall print the documents on good quality, white A4 size paper on any quality Laser Printer.

5. The tender shall be filled up after careful study of the document and the site and any clarification required may be obtained from the tender inviting authority whose address is given in the tender document.

6. The tenderer(s) downloading the documents from internet must keep themselves updated through the website from which the tender document is downloaded regarding corrigenda, if any, to the same website. The offers received without such corrigenda published are liable to be rejected.

7. Any willful changes/deletion/addition in printing carried out in the tender documents shall be viewed very seriously, whether detected at the time of opening/award of work, and the same may result in penal action including banning of further business with the defaulting tenderer(s).In addition, the tenderer(s) are liable to be prosecuted for the same as per law.

Signature of Tenderer(s)

TENDER NOTICE

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4.	Section IV	Special Conditions Of Contract	
5.	List of Annexure	ANNEXURE – I Earnest Money Deposit (EMD) ANNEXURE – II Technical specification ANNEXURE - III Declaration by Bidder ANNEXURE - IV Manufacturer's Authorization Form ANNEXURE - V Annual Turnover Certificate ANNEXURE – VI Performance Certificate ANNEXURE – V Annual Turnover Certificate ANNEXURE – VI Performance Certificate ANNEXURE –VII Non Black listed Affidavit ANNEXURE – VIII Details of Bidder & Local contact ANNEXURE – IX format for Quoting Products specification ANNEXURE – X Undertaking for Warranty/Guaranty ANNEXURE – XI General Undertaking ANNEXURE – XII Undertaking For Supply of Spare Parts ANNEXURE – XIII Installation Report ANNEXURE – XIV Instruction to bidders regarding GPS ANNEXURE – XV Formats of tables to be filled in (Cover – B) ANNEXURE – XVI ANNEXURE - XVII- Equipment Capabilities ANNEXURE - XVIII - Personnel Capabilities	

SECTION-I

DESCRIPTION, DIRECTIVE & ABBREVIATIONS

Sealed tenders are invited under Two Bid System i.e. Technical Bid and Financial Bid, from eligible and qualified manufacturers or their authorized agents for establishing cardiac care unit in a turnkey project at Raipur under National Programme for Prevention and Control of Cancer, Diabetes, Cardiovascular Diseases & Stroke (NPCDCS).

The Chief Medical & Health Officer (CMHO),FOR NCD-NPCDCS PROGRAMME, Chhattisgarh, D.K.S. Bhavan, Old Nurses Hostel, Raipur, (Hereinafter referred as Tender Inviting Authority/Purchaser unless the context otherwise requires) invites TENDER FOR THE SUPPLY and installation and establishing Cardiac Care unit in a Turnkey Project to NCD-NPCDCS PROGRAMME, FOR THE YEAR 2015-16.

1. Purchaser : Chief Medical & Health Officer(CMHO),Raipur, Chhattisgarh INDIA
2. Consignee :Civil Surgeon cum Hospital Supritendent(DH)-NCD –NPCDCS Programme of the institutes indicated in Schedule of requirements/Scope of work
3. Bidder : Intending agencies participating in Tender process for supply of 6 bedded CCU as a Turnkey Project
4. Supplier : Successful Bidder to who contract is awarded.
5. Language of Bid : English
6. List of equipments : List of scope of work with indicative quantity, place of supply /Installation in details of tender Document (Schedule of requirements with scope of work)
7. EMD : As Per amount indicated in Anex – I (e – transfer, RTGS/Demand Draft)
8. Tender Processing Fees :Rs.2500/- (Demand Draft /E-transfer, RTGS) (Non-Refundable)
9. Tender System : 2 cover system, Cover – A: Technical Bid, Cover – B: Price Bid
10. Schedule of events : As per tender time schedule (Key dates) on
11. Validity of rate contract : One year from date of awarding contract.
12. Address for communication : **NON-COMMUNICABLE DISEASE CELL.(NCD) (Office of the Chief Medical and Health Officer) 1st Floor D.K.S. Bhavan, Old Nurses Hostel, District :Raipur ,Chhattisgarh (C.G)**

Brief Details :
Construction, supply ,Installation and commissioning of 4 bedded CCU as a turnkey project in District hospital at Raipur, Chhattisgarh, including , Electrical and as per entire scope of work and its maintenance during the defect liability period for all services"

Time of Completion : 120 days/Four (4) months
Above works to be executed for Puchaser-Chief Medical and Health officer at Raipur, Chhattisgarh. 1.3 Tender is open to all agencies / firms having sound background and Specialization in carrying out similar works.

Note:

The bidders shall be solely responsible for checking these websites for any addendum/amendment issued subsequently to the bid document and take into consideration the same while preparing and submitting the bids. Bids will be opened in the presence of Bidder's authorized representative who chooses to attend on the specified date and time.

ABBREVATIONS

NCDC	:	Non-Communicable Disease Cell
NPCDCS	:	National Programme for Prevention and Control of Cancer, Diabetes, Cardiovascular Diseases & Stroke
EMD	:	Earnest Money Deposit
CMHO	:	Chief Medical and Health Officer
DH	:	District Hospital
DHS	:	District Health Society
CHC	:	Community Health Center
PHC	:	Primary Health Center
SHC	:	Sub –Health Centre
MCH	:	Medical College Hospital
TIA	:	Tender inviting authority
UCP	:	Ultimate cost to Purchaser
ISI	:	Indian Standards Institute
US-FDA	:	United State Food and Drug Administration
FDA	:	Food and Drug Administration
BIS	:	Bureau of Indian standards
IEC	:	International Electro technical commission
IS	:	International Standard for electronic Medical Equipments
ISO	:	International Organization for Standardization.
DQ	:	Design Qualification
IQ	:	Installation Qualification
OQ	:	Operational Qualification
PQ	:	Performance Qualification
AMC	:	Annual Maintenance Cost
CMC	:	Comprehensive Maintenance Cost
TEC	:	Tender Evaluation Committee
GCC	:	General Conditions of Contract
SCC	:	Special Condition of Contract

ELIGIBILITY OF BIDDER

ELIGIBILITY CRITERIA

2.1 Past Experience f the bidders and pre-qualification conditions.

Minimum eligibility requirement for the bidders of the medical gas pipeline system

Tenderer/Eligible bidder must have completed and have past experience of having executed modular ICU/CCU in India for five hundred lakhs or above in any Government Department or Hospitals in the past Seven years in India only. Eligible bidder must submit copy of the completion certificate alongwith the bid documents and failing which bid will be rejected. If require demonstration can be asked and bidders must arrange for the same.

OR

Tenderer/Eligible bidder must have completed and have past experience of having executed six work of modular operation theaters/ modular ICU/CCU in India or above in any Government Department or Hospitals in the past five years in India only. Eligible bidder must submit copy of the completion certificate alongwith the bid documents and failing which bid will be rejected. If require demonstration can be asked and bidders must arrange for the same.

Tenderer/Eligible bidder should submit a letter of authority from the Foreign Principal / Manufacturer for the quoted products.

Tenderer/Eligible bidder should submit proof of existence of minimum 10 years in medical equipment/ modular operation theaters field. (Firm incorporation certificate should be submitted)

Tenderer/Eligible Bidders should be an ISO 9001, ISO 14001 certified company. Copy of the valid registration certificate must be submitted.

Tenderer/Eligible Bidders should not be blacklisted or debarred in the past for any of the item or whole by any state or central government institutes/hospitals in entire India (in the past means since incorporation of the company) Eligible Bidders must submit an affidavit on stamp paper and failing which bid will be rejected. False information if submitted then bidders will be black listed and their EMD will be forfitted.

Tenderer/ Eligible Bidder must have an annual average turnover for fifteen hundred lakhs in the continuous past three years. Three years company balance sheet must be submitted. Copy of 3 years audit balance sheet and CA certificate for the past three years with profit and loss account must be submitted and failing which bid will be rejected.

Tenderer/ Eligible Bidder must have a bank solvency of ten hundred lakhs from a nationalized bank and failing which bid will be rejected.

Tenderer / Eligible Bidder should submit copy of AP certificate: AP should be working in their company since last 5 years and copy of the certificate must be submitted. AP certificate should be from NHS approved MGPS Ltd UK.
(copy of AP certificate must be submitted with the bid documents)

Tenderer / Eligible Bidder should submit a copy of PAN certificate.

Tenderer / Eligible Bidder should submit a copy of ESI and PF Registration.

Any false information /certificate submitted will get them debarred and blacklisted. Hence attested true and genuine information and documents should be submitted.

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

(i) They submit manufactures authorization and authorization to transact business on behalf of the manufactures as per the format at Annexure –IV. The authorize distributor may raise bill, if specially authorized by the manufacturer.

(ii) The authorize distributor will submit all the documents in the support of eligibility of the manufacturer as mentioned in clause No.2.1 along with the tender.

(iii) Average turnover of the Bidder should be Rs. 5 Crore or more in the last three (3) financial years (2010-11, 2011-12, 2012-13) and turnover of F.Y 13-14 may also be consider for period of 3 years copy of audit report/**Chartered Accountant Confirmation Certificate in their letterhead.** should be submitted.

iv Distributor should attach self certified copy of Dealership allotted by Company.

SECTION II

INSTRUCTION TO BIDDERS

SECTION II: INSTRUCTION TO BIDDERS

TABLE OF CLAUSES

Clause No.	Topic	Page No.
1.	EMD	
2.	Clarification on bidding document	
3.	Amendment in bidding document	
4.	Tender process	
5.	Award of Contract	
6.	Performance Security	
7.	Warranty/Defects liability period	
8.	Other important instruction	

INSTRUCTION TO BIDDERS

1. Refund of Earnest Money Deposit

The EMD should be refunded in the following circumstances:

1. The EMD submitted by unsuccessful bidders shall be returned to them without any interest whatsoever, within 30 days after conclusion of the contract with successful bidder.

2. The EMD submitted by the successful bidder should be returned without any interest after the successful bidder deposits the performance security according to conditions stipulated in the bid document.

A. Forfeiture of Earnest Money Deposit

The EMD shall be forfeited in the following circumstances:

1. If the bidder withdraws from the bid in any respect within the period of validity of the bid.

2. If the bidder fails to furnish the required performance security within the specified period after the award of the contract

2- CLARIFICATION OF BIDDING DOCUMENTS

A prospective Bidder requiring any clarification of the Bidding Documents may notify the Purchaser in writing or by e-mail at the Purchaser's mailing address indicated in the Invitation for Bids. ***The bidder or his official representative (restricted to one person only from one company/firm) is invited to attend a pre-bid meeting with conditioning to carry a representative letter by bidder mentioning brief outline of its company profile, its existence etc*** which will take place at Office of Chief Medical and Health officer room on 13/04/2015 at 4.00 PM.

The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised up to that stage. Tender inviting authority reserves the right to take decision on nature and extend of amendments required.

3. AMENDMENT OF BIDDING DOCUMENTS

At any time prior to the deadline for submission of bids, the ***Purchaser*** may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the Bidding Documents by an amendment. All such amendments will be made available on tender website. or notice board of the purchaser and it will be the sole responsibility of bidders to check the websites/notice board consistently at their own motion.

In order to allow prospective bidders reasonable time in which to take the amendment into account in preparing their bid, the Purchaser may, at its discretion, extend the deadline for the

submission of bids.

4. THE TENDER PROCESS

The tender process will be of 2 cover system, consisting:

Cover – A: Technical Bid

Cover – B: Price Bid

Requirements of Cover A :

- Description of the bidder : Not more than 1 page
- Documentary evidence of constitution (incorporation certificate) of firm.
- List of items of medical and non-medical equipments items and of both items as per scope of CCU Project of tender for which bid is quoted (As per format (annexure – XVI)
- Copy of RTGS Receipt/Demand Draft for submission of tender processing fee.
- Copy of RTGS Receipt for submission EMD / Copy of exemption certificate.
- Acceptance of all terms & conditions in all Sections of Tender document. (Declaration as per Annex – III submitted in stamp paper Rs 50/- with notarized and duly affixed with official seal and signature. Of the Bidder)
- Copy Valid manufacturing license / US FDA Certificate/import license(Incase of Importer Only)/ Dealership license (Importers and dealers should also submit the copy of valid manufacturing license of the firm to which the product belongs),if importers/dealers participate then they will submit ML/US FDA Certificate of manufacturing.
- The selected firm should have a service centre in Chhattisgarh.
- Manufactures authorization and authorization to transact business on behalf of the manufacture (For dealers/Distributors) Annexure -IV
- Annual turnover statement (with audit report /Chartered Accountant Confirmation Certificate in their Letter head Certifying so)
- Sales Tax, Vat tax /Service Tax and other Tax and Duties upto date clearance certificate.
- Copy of PAN Card of firm/Company/Identity
- Performance certificate (Annexure – VI)
- Non- Conviction affidavit
- Copy of ISO certificate.
- 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.

  T-Forms –T1 to T14
- Other documents for establishing eligibility of bidder.*

- Note: ***All copies should be sealed, signed and were required notarized.***

  - For Equipment and Furniture Make and Model of the equipment./Furniture
  - Copy of IEC – 60601/ IS 13450 certificate for equipments consuming electricity.
  - ISI/BIS/CE/US-FDA /FDA Certificates or any other Quality assurance Certificates for each product quoted
  - Non Black listed affidavit of the item quoted.
  - Radiation Safety Related Certificates / documents where required
  - Leaflet/Literature/Manual, Further Leaflet/Literature/Manual submitted should be contain technical specification of product , were Leaflet/Literature/Manual Does not contain technical specification of Product bidder may be disqualify to participate in Part Cover B
  - Product specification in specified column of Annex – IX
  - Undertaking for supply of spare part and service for 5 year after award of contract.
  - Details name, address, telephone no., Fax, e-mail of the manufacturer /authorized distributor / service centre / contract person / office in Chhattisgarh.
  - Other documents for establishing product, Scope of Project Work information.*

Requirements of Cover B :

- List of items as per Turnkey unit as a whole for which bid is quoted with price (UCP) ***(to be filled manually)***
- ***F Forms i.e F1 to F4 with Annexure XV***
- Ultimate cost to the purchaser with break up. ***(to be filled manually)***
- Item wise cost of Scope of work for CMC after warranty period. ***(to be filled manually)***
- The spare price list of all spares and accessories (including minor) required for maintenance and repairs. ***(to be provided)*** This will be only for information of the purchaser.

In format as per annex - XV

Note: The list documents mentioned above is only inclusive in nature; the bidder should provide all other documents which may be asked by the Tender inviting authority. All copies should be sealed, signed and notarized, and provided in specific template available in tender document. The

In addition to this bidder may facilitate/provide any other documents such as power point presentation, supporting documents in favor for any item quoted in space provided for this purpose.

The bidders meeting all criteria of Cover: A (Technical Bid)will be qualified for evaluation of Cover: B. (Price bid)(of qualified bidder) will be opened only for those of any bidder that deemed satisfactory and responsive during technical evaluation. ***Price comparison will be done on basis of ultimate cost to the purchaser(Anxx-XV) that includes scope of work mentioned in Tender document and cost of equipment, furniture ,Interior work etc all forms of taxes, installation, turnkey and services within warranty period.***

After completing the entire evaluation process for the responsive bids on they it will be entered into a ranking statement in ascending order of the evaluated prices (for example L1, L2, L3…) along with other relevant details, so that a clear picture of their standing as well as comparative financial impact is available at a glance.

5. AWARD OF CONTRACTS

Award Criteria

Purchaser shall award the Contract to the qualified Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid subject to the bidder agrees to all terms and condition of the tender. In case of non acceptance of agreement the Purchaser will proceed to the next-lowest evaluated Bidder

Note: No bidder shall try to influence the Purchaser on any matter relating to its bid, from the time of the bid opening till the time the contract is awarded. Any effort by a bidder to modify his bid or influence the purchaser in the purchaser's bid evaluation, bid comparison or contract award decision shall result in the rejection of the bid.

Purchaser's right to accept any bid and to reject any or all bids :

The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of contract without assigning any reason whatsoever and without thereby incurring any liability to the affected bidder or bidders on the grounds of purchaser's action.

Issue of notification of award

The issue of Notification of Award shall constitute the intention of the Purchaser to enter into contract with the bidder. Prior to the expiration of the period of bid validity, the Purchaser will

notify the successful Bidder in writing by registered letter or by cable, to be subsequently confirmed in writing by registered letter, that its bid has been accepted

The bidder shall within 07 days of issue of the Notification of Award, give his acceptance along with performance security in conformity with the bid document. In case the bidder is not willing to unconditionally accept the contract within the specified timeframe, the EMD submitted will be forfeited.

6. ADVANCE PERFORMANCE SECURITY

Performance security acts as a safeguard against unsatisfactory performance or violation of contract agreement by the supplier on the contract.

Performance security shall be solicited from all successful bidders irrespective of their registration status. Ordinarily, performance security will be an amount of 10% of the value of the contract as stated in the bid document. Performance security may be furnished in form of an Account payee Demand Draft/Bank Guarantee with One-Year warranty

Performance security is to be furnished within 10 days after notification of the award and it should remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier, including warranty obligations.

Note: In case of breach of contract by the supplier, the performance security is to be forfeited. If the supplier duly performs and completes the contract in all respect, the performance security shall be returned to the supplier without any interest, on completion of all such obligations under the contract. (Ref: PROCUREMENT AND OPERATIONAL MANUALFOR MEDICAL STORE ORGANISATION, Govt. of India)

7. WARRANTY/DEFECTS LIABILITY PERIOD:

1. Minimum Guaranty/Warranty to be offered by the bidder of the quoted equipment/item shall be of at least 03 (Three) years from the date of installation of equipment/item. Any period more than 3 years of the warranty is appreciable.

2. All losses due to defects resulting from faulty design, materials and workmanship during the warranty period shall be compensated by the bidder.

3. In case of any defects detected in items under warranty, the users shall notify procurement authority about the same. Procurement authority shall promptly notify the bidder in writing for any claims arising from such defects. If the defect is not rectified by the bidder within the specified time period, procurement authority shall take necessary actions to claim compensation at the bidder's expense.

8. OTHER IMPORTANT INSTRUCTIONS

1. The purchaser shall have all rights to modify, addition, subtraction of any term(s) and condition(s) of the tender and different bids therein during any time of tender process, which shall be communicated to the bidder by in template, notice board/website.

2. The place of installation and quantity of equipment/item shall be given in the purchase order by the purchaser to the bidder after award of tender to the bidder. It shall be the responsibility of bidder to install quoted equipment/item and ordered quantity at the place of installation given in above purchase order.

3. The bidder(s) are to submit their tenders in separate sealed covered envelops for technical bid and Price bid by super scribing Cover "A"(Technical Bid) & Cover "B" (Price/commercial Bid) and both the sealed covers should be put into a third outer Cover, which should be super scribed as "Tender for supply & installation, commissioning of Cardiac Care Unit –Four (4) Bedded Turnkey project at District Hospital for NCD " & Tender Reference No._____.

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

5. 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

6. The Tax will be charged as per the guidelines given by the Finance Dept.,Govt. of Chhattisgarh from time to time. Either W.C.T,C.S.T or V.A.T (as applicable) will be paid to the bidder. In case of Entry Tax, the bidder has to deposit the original receipt to claim it, if finished goods are brought from outside the State. The Sales Tax & entry tax components should be shown separately in the Price Schedule.
7. The tenderer shall submit the pre-requisite information like Civil works/ Electrical details etc. within 2 weeks from the date of receipt of order or establishment of letter of credit as the case may be.

8. The equipment, supplied, should bear the make, model, Sl.No. and specifications (like power consumption etc)
9. The bidder shall also confirm the Installation, Commissioning, Demonstration and Training to the concerned of this Institute. Preventive maintenance has to be under taken by the bidder at least once in 6 month, besides inducting the training to the concerned.

10. Undertaking for supply of spare parts and services

i) Manufacturer Bidders :-

a. An undertaking for the uninterrupted supply of adequate spares for at least a period of 5 years shall be furnished.

b. Availability/ establishment of after sales service facility in Chhattisgarh to ensure uninterrupted after sales service during warranty and maintenance period shall be confirmed. The details of service facility available / proposed to be set up shall be furnished in their bid.

ii) Non-Manufacturer Bidder:-

a. The bidder shall furnish an undertaking for the uninterrupted supply of adequate spares for at least a period of 5 years with the backup undertaking from their manufacturer.

b. Availability/ Establishment of after sales service facility at least in Chhattisgarh to ensure uninterrupted after sales service during warranty and maintenance period shall be confirmed. The details of service facility available / proposed to be set up shall be furnished in their bid.

11. In case the equipment/item installed by the bidder not meets the specifications of quoted equipment/item, the purchaser shall have all rights to cancel the equipment/item's purchase order, and the bidder shall be responsible to take back the installed equipment/item at his/her own cost after getting the order of purchaser

12. The external power supply will be provided by the Deptt. but the internal wiring and electrical fittings inside the room for installation & commissioning of the equipment and accessories will be provided by the bidder without any extra cost.

13. Price quoted in bid shall be valid for one year from the date of award of quoted equipment/item. No change in the price shall be allowed to any reason in the validity period.

14. The decision of the TEC of NCD or any officer authorized by the Committee in respect of the quality of the supplied equipment and other goods etc. as per scope of work shall be final and binding.

15. In case of complaints, bills will be withheld till receipt of satisfactory performance report. If two items of any firm, are found sub-standard during the calendar year, then the firm will be black listed and it will not be allowed to participate in tender for the next minimum 5 years.

16. No claims shall be allowed against the Tender Inviting authority in respect of interest on Earnest Money Deposit or on Security Deposit or late payments.

17. Apart from the penal actions mentioned in the conditions of contract, If the successful bidder fails to undertake the contract, the bidder is liable for all damages sustained by NCD by reasons of breach, including the liability to pay any difference between the prices accepted by him and those ultimately paid for the procurement of the articles concerned.

18. If any articles or things supplied by the bidder have been partially or wholly used after supply and are subsequently found to be in bad order, unsound, inferior in quality or description or otherwise faulty or unfit for usage, then the contract price or prices of such articles or things will be recovered from the bidder, if payment had already been made to him.

19. Non performance of contract provisions will disqualify a firm to participate in the bid for next five years.

20. In all the above conditions the decision of the NCD Purchase Committee or any officer authorized by the committee shall be final and binding.

21. Bidders are advised and required to go through Annexure – XIV, for guidance regarding payment of EMD, Tender processing fee through Demand draft/RTGS, filling and submission of tender documents.

22. In schedule of requirement Annexure - I,) . Scope of project work /Equipments is to be supplied to District Hospital Raipur, Exact place of delivery will be indicated in purchase orders. Bidders may take a note of it for calculating price bid.

22. In all the above conditions the decision of the NCD Purchase Committee or any officer authorized by the committee shall be final and binding.

SECTION III

GENERAL CONDITIONS OF CONTRACT

GENERAL CONDITIONS OF CONTRACT

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GENERAL CONDITIONS OF CONTRACT

1. DEFINITIONS

In this Contract, the following terms shall be interpreted as indicated:

(a) "**The Purchaser**" means the Chief Medical and Health Officer Raipur C.G for NCD-NPCDCS PROGRAMME (NCD), the Entity purchasing the Goods.

(b) "The Bidder" means the individual or firm who participates in the tender and submits its bid.

(c) "**Days**" means calendar days.

(d) "**GCC**" means General Conditions of Contract.

(e) "Site" means the places provided by the purchase where the Works are to be executed and any other places as may be specifically designated in the Contract as forming part of the Site.

(f) "**The Goods**" means all equipment, machinery, and/or other materials which the Supplier is required to supply to the Purchaser under the contract.

(g) "**Services**" means services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training and other obligations of the Supplier covered under the Contract.

(h) "**End User**" means the consignees stated in the Schedule of Requirements.

(i) "**Tender"** means the Contractor's priced offer to the purchaser for the execution and completion of the Works and the remedying of any defects therein in accordance with the provisions of the Contract, as accepted by the Letter of Acceptance. The word Tender is synonymous with "Bid" and the words "Tender Documents" with "Bidding Documents".

(j)"**The Notification of Award**" means the intention of the Purchaser to place the Purchase order on the bidder or to enter in to contract with the bidder.

(k) "**The Contract**" means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form signed by the parties, including all the attachments and the appendices thereto and all documents incorporated by reference therein.

(l) "**The Contract Price**" means the price payable to the Supplier under the contract for the full and proper performance of its contractual obligations.

(m) "**Validation**" is a process of testing the equipment as per the specifications including requirements for use in hospital is carried out in simulated field environment.

(n) "Tests on Completion" means the tests specified in the Contract or otherwise agreed by the purchaser and the Contractor which are to be made by the Contractor before the Works or any Section or part thereof are taken over by the purchaser.

(o) "Time for Completion" means the time for completing the execution of and passing the Tests on Completion of the Works or any Section or part thereof as stated in the Contract extended under calculated from the Commencement Date.

2. STANDARDS

The goods supplied under this contract shall conform to the standards prescribed in the Technical Specifications mentioned in Annexure - II and when no applicable standard is mentioned, to the authoritative standard appropriate to the Goods Country or origin and such standards shall be latest issued by concerned Institution.

3. USE OF CONTRACT DOCUMENTS AND INFORMATION

3.1 The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

3.2 The Bidder shall not, without the Purchaser's prior written consent, make use of any document except for purposes of performing the Contract.

3.3 Any document, other than the Contract itself, enumerated in GCC Sub-Clause 3.1 shall remain the property of the Purchaser and shall be returned (all copies) to the Purchaser on completion of the Supplier's performance under the Contract if so required by the Purchaser.

3.4 The Supplier shall permit the Purchaser to inspect the Supplier's accounts and records relating to the performance of the Contract and to have them audited by auditors appointed by the Purchaser, if so required.

4. PATENT RIGHTS

The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the goods or any part thereof in India.

5. SECURITY/RETENTION MONEY: **An Amount equal to 20% will be deducted and retained as per clause No.15 of GCC.**

6. INSPECTIONS AND TESTS

6.1 The Purchaser or his representative shall have the right to inspect and test the goods as per prescribed test schedules for their conformity to the specifications. Where the Purchaser decides to conduct such tests on the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance like Testing instruments and other test gadgets including access to drawings and production data shall be furnished to the inspectors at no charge to the purchaser.

6.2 Should any inspected or tested goods fail to conform to the specifications the purchaser may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet Specification requirements free of cost to the purchaser.

6.3 Not-withstanding the pre-supply tests and inspections prescribed in GCC Clause 6.1 & 6.2 above, the equipment and accessories on receipt in the Purchaser's premises will also be tested during and after installation before "take over" and if any equipment or part thereof is found defective, the same shall be replaced free of all cost to the purchaser as laid down in GCC Clause 6.4 below.

6.4 If any equipment or any part thereof, before it is taken over under GCC Clause 6.5, is found defective or fails to fulfill the requirements of the contract, the inspector shall give the Supplier notice setting forth details of such defects or failure and the supplier shall make the defective equipment good, or alter the same to make it comply with the requirements of the contract forthwith and in any case within a period not exceeding three months of the initial report. These replacements shall be made by the supplier free of all charges at site. Should it fail to do so within this time, the purchaser reserves the discretion to reject and replace at the cost of the supplier the whole or any portion of equipment as the case may be, which is defective or fails to fulfill the requirements of the contract. The cost of any such replacement made by the purchaser shall be deducted from the amount payable to the supplier.

6.5 When the performance tests called for have been successfully carried out, the inspector / ultimate consignee will forthwith issue a Taking Over Certificate. The inspector /ultimate consignee shall not delay the issue of any "taking Over Certificate" contemplated by this clause on account of minor defects in the equipment which do not materially affect the commercial use thereof provided that the supplier shall undertake to make good the same in a time period not exceeding two months. The Taking Over Certificate shall be issued by the ultimate consignee within six weeks of successful completion of tests. In this case, a Consignee Receipt Certificate issued by the consignee as per the

Format given in Section VI shall be equivalent to "Taking Over Certificate", issuance of which shall certify receipt of goods in safe and sound condition. However, they shall not discharge the supplier of their warranty obligation. The Consignee Receipt Certificate in respect of last consignment against the Contract will be equivalent to "Taking Over Certificate".

6.6 Nothing in GCC Clause 6 shall in any way release the Supplier from any warranty or other obligations under this contract.

7. PACKING

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

7.2 The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the Contract including additional requirements, if any, specified in SCC and in any subsequent instructions ordered by the purchaser.

7.3 Packing Instruction: The supplier will be required to mark separate packages for each consignee. Each package will be marked on three sides with proper paint/indelible ink, the following:

i. Purchaser:

ii. Contract No.

iii Supplier Name

iv. Packing List reference Number

8. DELIVERY AND DOCUMENTS

The supplier should deliver the equipment/equipments **within 45 days from the date of purchase order** at the site of delivery as indicated. Upon or before delivery of the Goods, the Supplier shall notify the Purchaser in writing and deliver the following documents to the Purchaser:

(i) Two originals and two copies of the Supplier's invoice,(As per programme - invoice requirement) showing Purchaser, the Contract number, Goods' description, quantity, unit price, and total amount. Invoices must be signed in original and stamped or sealed with the company stamp/seal;

(ii) Two copies of delivery note, railway consignment note, road consignment note, truck or air waybill, or multi-modal transport document showing Purchaser as **Chief Medical and Health Officer NCD-NPCDCS PROGRAMME** [enter correct name of Purchaser for excise purposes] and delivery through to final destination as stated in the Contract;

(iii) Copy of the Insurance Certificate, showing the Purchaser as the beneficiary;

(iv) Three copies of the packing list identifying contents of each package;

(v) One original of the manufacturer's or Supplier's Warranty certificate covering all items supplied;

(vi) Original copy of the Certificate of Inspection furnished to Supplier by the nominated inspection agency;

(vii) Other procurement-specific documents required for delivery/payment purposes.

The above documents shall be received by the Purchaser before arrival of the Goods (not to be handed over to the Consignee with all documents) if not received, the Supplier will be responsible for any consequent expenses.

9. TRAINING

9.1 The supplier shall demonstrate at pre–bid meeting abouts its products/scope of CCU Project as a Turnkey unit and thereby after supply of equipment where training is required provide training (Mandatory for all equipments especially for Pathology Laboratory Equipments) on use and maintenance of the Equipments to the consignee's personnel the purchaser free of cost where required. The supplier shall provide all training materials and documents and demonstration cum training for making optimum use of equipment

9.2 The firm / supplier will provide hands on training to five doctors, 3 Nurse and two technicians of the concerned District Hospital and CHC/PHC/SHC in his own cost for operating / handling the medical equipment(s) at the time of installation of equipment and The supplier / firm will provide the operation / maintenance manuals of all equipments to the purchaser at the time of installation.

9.3 Conduct of training of the purchaser's personnel may on-site in assembly start-up operation, maintenance and/or repair of the supplied goods.

10. INCIDENTAL SERVICES

10.1 The supplier may be required to provide any or all of the following services:

(a) Performance or supervision of on-site assembly and/or start-up of the supplied Goods;

(b) Furnishing of tools required for assembly and/or maintenance of supplied Goods; \

(c) Performance of supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties provided that this service shall not relieve the supplier of any warranty obligations under this contract.

(d) Furnish detailed operations and maintenance manual for each appropriate unit of supplied goods.

11. SPARES

11.1 Clause no 8.6 of ITB should be adhered.

11.2 In the event of termination of production of the spare parts, the supplier shall give advance notification to the purchaser pending termination (not less than 2 years), in sufficient time to enable the purchaser to procure life time spare; and Following such advance intimation of termination, furnish at no cost to the purchaser, the blue prints, drawings and specifications of spare parts, if and when requested.

These spares should be supplied within a maximum period of 15 days from the notification by the purchaser of his need.

12. INSURANCE

The Goods Supplied under the Contract shall be fully insured in Indian Rupees against the loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the Special Conditions of Contract.

13. TRANSPORTATION

Where the Supplier is required under the Contact to transport the Goods to a specified place of destination with in the undivided district, defined in Consignee list, transport to such place of destination, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier at (FOD) Free on Delivery Basis at Consignee destination place, and no related costs shall be included in the Contract Price.

14. WARRANTY

14.1 The supplier shall warrant that the goods to be supplied shall be new and free from all defects and faults in materials used, workmanship and manufacture and shall be of the highest grade and consistent with the established and generally accepted standards for materials of the type ordered and shall perform in full conformity with the specifications and drawings. The supplier shall be responsible for any defect that may develop under the conditions provided by the contract and under proper use, arising from faulty material, design or workmanship such as corrosion of the equipment,

inadequate quantity of material to meet equipment requirements, inadequate contact protection, deficiencies in circuit design and/or otherwise (See clause no. 7of ITB also)

14.2 Replacement under warranty clause shall be made by the supplier free of all charges at site including freight, insurance and other incidental charges.

15. PAYMENT TERMS

15.1 The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted to purchaser pursuant to GCC Clause 8, and upon fulfillment of other obligations stipulated in the Contract.

15.2 Payment for goods shall be made in Indian Rupees as follows:

a) No advance payment is payable.

b) 80% payment will be made against supply and Installation, commissioning and training of equipments at the respective sites against certification from the consignee in the format provided in Annexure - XIV

c) Rest 20% of the payment will only be made after receipt of certificate on working status of the equipments after completion of CCU as a Turnkey Project from the consignee after 60 Days of commissioning of the CCU Project.

15.3 Payment Mode

a) Payment Mode :

All payment to the contractor will be through Electronic Mode by direct transfer to Bidder Bank Account. Bidder needs to submit RTGS / NEFT mandate form duly attested by the bidder bank. Bidder needs to submit a cancelled cheque for Electronic transfer.

b) Payment Release Methodology

Prior to initiating any payment, the bid winning bidder has to have an MoU (contract) signed with Purchaser.

i) No mobilization advances shall be paid.
ii) Payment against supply and installation of CCU equipment (A):

a. Delivery and Installation and commissioning in sequence of process of completion of CCU turnkey project : 80% of (A)

b. Rest 20% of (A) as per GCC Clause 15 .2(c)

iii) B) Payment against design, procurement and completion of CCU interiors:

a. Submission and acceptance of designs, drawings, bill of materials and implementation plan for the CCU interiors after certify by purchaser: 10% of (B)
b. Supply of materials and after 50 % of work certify by purchaser 30% of (B)

c. Supply of materials and after rest 50 % of work certify by purchaser 10% of (B)
d. Completion of interior construction work: 30% of (B)
e. Rest 20% as per GCC Clause 15 .2(c)

C) Payment against supply and installation of CCU furniture (C):

a. Delivery and Installation: 80% of (C)
b. Rest 20% of (C) as per GCC Clause 15 .2(c)

D) Payment against supply and installation of Gas pipeline Work (D):

a. Delivery and Installation AND Commissioning of Gas pipeline Work: 80% of (D)
b. Rest 20% of (D) as per GCC Clause 15 .2(c)

E) Payment against supply and installation of Medical and Non Medical equipments –both – Category C Work (E)

a. Delivery and Installation and Commissioning of Work mentioned in Category C: 80% of (E)
b. Rest 20% of (E) as per GCC Clause 15 .2(c)

16. PRICES

(i) (a) Prices charged by the supplier for goods delivered and services performed under the contract shall not be higher than the prices quoted by the Supplier in his Bid.

(b) In the case of revision of Statutory Levies/Taxes during the finalization period of tender, the Purchaser reserves the right to ask for reduction in the prices.

(ii) (a) Prices once fixed will remain valid during the schedule delivery period. Increase and decrease of Taxes and other statutory duties will not affect the price during this period.

(b) Any increase in taxes and other statutory duties/levies after the expiry of the delivery date shall be to the supplier's account. However benefit of any decrease in these taxes/duties shall be passed on to the Purchaser by the supplier.

17. CHANGES ORDERS

17.**1 The purchaser may, at any time, by a written order given to a supplier, make changes within the general scope of the contract in any one or more of the following:**

(a) drawings, designs or specifications, where Goods to be supplied under the contract are to be specifically manufactured for the Purchaser;
(b) the method of transportation or packing;

(c) the place of delivery; or

(d) The services to be provided by the supplier.

17.2 **If any such change causes an increase or decrease in the cost of, or the time required for the execution of the contract an equitable adjustment shall be made in the contract price or delivery schedule, or both, and the contract shall accordingly be amended. Any proposal by the supplier for adjustment under this clause must be made within seven days from the date of the receipt of the change in order.**

18. CONTRACT AMENDMENTS

Subject to GCC Clause 17, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by both the parties.

19. ASSIGNMENT

The Supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the ***Purchaser***'s prior written consent.

20. SUBCONTRACTS AND SUBCONTRACTORS

The Bidder shall notify the Purchaser in writing of all subcontracts awarded under this contract if not already specified in his bid. Such notification, in his original bid or later shall not relieve the supplier from any liability or obligation under the Contract. Sub-contract shall be only for bought-out items and sub-assemblies.

In case the Bidder proposes to employ sub-contractor(s)/manufacturers for some of the plant & equipment, the sub-contractor(s)/manufacturers must meet the minimum criteria. Failure to comply with this requirement will result in rejection of the subcontractor. The Bidder shall mention the same in his bid. Name of subcontractors from whom he is proposing to source such plant & equipment for execution of the contract shall be indicated in the bid.

However the bidder shall have the option to certify that all the proposed subcontractor(s) proposed in the bid are fulfilling the Pre-Q criteria and in case of the award of the contract the necessary documentation supplementing the credentials of the subcontractors shall be supplied before signing of the contract subject to the approval of the Purchaser

21. DELAYS IN THE SUPPLIER'S PERFORMANCE

1. Delivery of the Goods and performance of the Services shall be made by the Supplier in accordance with the time schedule specified by the ***Purchaser*** in its Schedule of Requirements.

2. If at any time during the performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of the

Services, the Supplier shall promptly notify the ***Purchaser*** in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the ***Purchaser*** shall evaluate the situation and may at its discretion extend the Bidder's time for performance with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of the Contract.

3. Except as provided under GCC Clause 24, a delay by the Supplier in the performance of its delivery obligation shall render the supplier liable to the imposition of liquidated damages pursuant to GCC Clause 22, unless any extension of time is agreed upon pursuant to GCC clause 21.2 without the application of liquidated damages.

22 Site Visits

The bidder shall also collect the proposed layout (1000 sqm appx. area) and drawings of the CCU area during the site visit. The cost of such visits to the Sites shall be at the Bidder's expense. The Bidder and any of its personnel or agents will be granted permission to enter only upon the condition that the Bidder, its personnel, and agents, will indemnify from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of such inspection, undertaken by the bidder. The Bidder shall at its own risk, peril, cost and liability undertake site visits to designated facilities in the state.

23 Consortium and sub-contracting

i) The bid shall be submitted by an individual organization or a consortium. The consortium shall be evaluated (during technical evaluation) based on the total strength as defined in this bid document. For the qualification, only the lead bidder will be considered. If any member gets deleted or withdrawn after submission of bid, the evaluation shall no longer be valid.

ii) In case of a consortium, applicant consortia shall have a valid Memorandum of Understanding (MoU)/ agreement among all the members signed by the Chief Executives/ Authorized Signatories of the companies dated prior to the submission of the bid. The MoU/ agreement shall clearly specify the stake of each member and outline the roles and responsibilities of each member. The MoU/ agreement shall be exclusively for this project and shall be responsible in case of failure by any member.

iii) In case of a consortium, all members shall be jointly and severally responsible for the implementation of the project as per the requirement.

iv) In the event Bidder intends to use Sub-contractor for any major part of the Project, the following details shall be included in the Proposal-

a) Information on the nature of the Sub-contractor's organization and documentary approved evidence of its competence to undertake the work involved together with details of the specialized staff to be furnished for prior approval of purchaser. Proposal shall include detailed brochures relating to all parts of the Project including the parts of the Project that are to be undertaken by Sub-contractors. Moreover, the Bidder shall submit an explicit undertaking from each Sub-contractor regarding the warranty, support and services that shall be provided by the Sub-contractor through the Bidder if the Bidder's Proposal is accepted.

b) Documentary Evidence (stamp & notarized) in writing of firm commitments from all Sub-contractors stating that they will undertake such part of the Project if the Bidder's Proposal is accepted would be required and accountability of Bidder in writing (stamp form) will be accepted.

c) Documentary evidence (stamp and notary) that all obligations imposed by the tender on the Bidder have been fully understood and accepted where applicable by the Sub-contractors referred to in (a) above would be required.

v) It is mandatory for the bidder to quote for all the items mentioned in the tender. Incomplete bids shall be rejected.

vi) No consortium would be allowed if either the Lead Bidder or any member of the consortium is black listed by any of the State Governments. The Lead Bidder shall submit an affidavit to this effect.

24. LIQUIDATED DAMAGES

Subject to GCC Clause 24, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the ***Purchaser*** shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in the SCC. Once the maximum is reached, the ***Purchaser*** may consider termination of the Contract pursuant to GCC Clause 23.

25. Termination for Default

(a) The ***Purchaser*** may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, terminate the Contract in whole or part;

(i) if the Supplier fails to deliver any or all of the goods within the time period(s) specified in the Contract, or within any extension thereof granted by the ***Purchaser*** pursuant to clause 21; or

(ii) if the Supplier fails to perform any other obligation(s) under the Contract; or

(iii) if the supplier, in the judgment of the **Purchaser,** has engaged in fraud and corruption, as defined in GCC clause 32, in competing for or in executing the contract.

(b) In the event the ***Purchaser*** terminates the Contract in whole or in part, pursuant to GCC Clause 23.1(a), the ***Purchaser*** may procure and act , upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the ***Purchaser*** for any additional costs for such similar Goods. However, the Supplier shall continue the performance of the Contract to the extent not terminated.

24. Termination for Insolvency

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

25. Termination for Convenience

(a) The ***Purchaser***, may by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the ***Purchaser***'s convenience, the extent to which performance of work under the Contract is terminated, and the date upon which such termination becomes effective.

(b) The Goods that are complete and ready for shipment within 10 days after the Supplier's receipt of notice of termination shall be accepted by the ***Purchaser*** at the Contract terms and prices. For the remaining Goods, the ***Purchaser*** may elect.

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

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

27. Force Majeure

1. Notwithstanding the provisions of GCC Clauses 21, 22, 23, the Supplier shall not be liable for forfeiture of its performance security, liquidation damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

2. For purposes of this Clause "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the ***Purchaser*** either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

3. If a Force Majeure situation arises, the Supplier shall promptly notify the ***Purchaser*** in writing of such conditions and the cause thereof. Unless otherwise directed by the ***Purchaser*** in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

28. Resolution of Disputes

1. The ***Purchaser*** and the supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

2. If, after thirty (30) days from the commencement of such informal negotiations, the ***Purchaser*** and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in the Special Conditions of Contract. These mechanisms may include, but or not

limited to, conciliation mediated by a third Party, adjudication in an agreed national forum, and national arbitration.

29. Governing Language

The contract shall be written in English language. Subject to Clause 29, English language version of the Contract shall govern its interpretation. All correspondence and documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

30. Applicable Law

The Contract shall be interpreted in accordance with the laws of the Union of India.

31. Notices

Any notice given by one party to the other pursuant to this Contract shall be sent to other party in writing or by cable, telex or facsimile and confirmed in writing to the other Party's address specified in Special Conditions of Contract.

32. Taxes and Duties

Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the contracted Goods to the ***Purchaser***.

33 Approvals/ Clearance

- Necessary approvals/ clearances from PWD/ Concerned authorities/ Health Department/ any service provider, for establishing the CCU and shall be provided by the government.
- Necessary approvals/ clearances from concerned authorities, as required, for fire protection, government duties/ taxes/ octroi, shall be obtained by the bidder.

34. Fraud and corruption

1. If the Purchaser determines that the Supplier has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, in competing for or in executing the Contract, then the Purchaser may, after giving 7 days notice to the Supplier, terminate the Supplier's employment under the Contract and cancel the contract, and the provisions of Clause 23 shall apply as if such termination had been made under clause 23.

(a) For the purposes of this Sub-Clause:

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

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

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

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

(v) "Obstructive practice" is

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

(b) acts intended to materially impede the exercise of the purchaser's inspection and audit rights provided for under Clause 11 [Inspections and Audits by the Bank].

2. Not with standing the clause 32 above, Should any employee of the Supplier be determined to have engaged in corrupt, fraudulent, collusive, coercive or obstructive practice during the purchase of the Goods, then that employee shall be removed.

SECTION IV

SPECIAL CONDITIONS OF CONTRACT

SECTION IV: SPECIAL CONDITIONS OF CONTRACT
TABLE OF CLAUSES

(The corresponding Clause number of the General Conditions is in parentheses)

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6.	Incidental Services (GCC Clause 10)	
7.	Spare Parts (GCC Clause 11)	
8.	Warranty (ITB Clause 14)	
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SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract shall supplement the General Conditions of Contract and instructions to bidder hence these clauses should be followed in addition to clauses in ITB and GCC. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of contract.

Supply and Installation of Cardiac Care Unit at District Hospital Raipur-Chhattisgarh
All medical gas pipe line products should be from one single international standard HTM 02-01 Standards only.

Two Bid Tender System

1) Prequalification Bid with EMD 1st envelope., Technical Bid in 2nd envelope.
3) Price Bid with AMC/CMC in 3rd envelope.

Completion Time Period : With in 6 Months from the date of Notice of Award.

Construction of Gas Manifold and Plant Room will be undertaken by the Hospital.

2 Years Operational Running of Gas Manifold and Plant room will be done by the successful bidder. (Rates to be quoted for the same with manpower details.)

All the Bidders should submit CE with 4 digit no. for all the imported medical gas pipe line products.

Entire Project Coordination will be the sole responsibility of the successful bidder.

Hospital scope of work to be provided before start of tender execution work.

1. Hospital will provide power supply 220 volts single phase and 3 phase 440 volts with cable inside gas manifold + plant room
2. Hospital will provide telephone wire inside gas manifold + plant room with intercom facility.
3. Hospital will provide DG supply with Cable for gas manifold + plant room.
4. Store Room with proper lock and key for material storage.

1. Uptime Guarantee:

UP-TIME BALANCE:

The Supplier (s) shall provide guarantee 95% uptime during comprehensive warranty period i.e. for 2 years from the date of installation & commissioning. Any uptime less than the specified period above will be compensated by the Supplier(s) by extending the warranty period. The consignee shall maintain a logbook in the format provided by the Supplier(s) which will indicate usage of the equipment every day and for calculation of up-time.

DOWNTIME PENALTY CLAUSE:

1. During the Guarantee / warranty period, desired uptime of 95% of 365 days will be ensured (24 hour) if downtime exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service will be applied. The vendor must undertake to supply all spares for optimal upkeep of the equipment during the warranty period of THREE YEARS and during the CMC period of FIVE YEARS. In no case equipment should remain in non-working condition for more than 7 (seven) days from the date of complaint, beyond which a penalty will be applicable as per Rule.

2. The principals or their agents are required to submit a certificate that they have satisfactory service arrangements and fully trained staff available to support the uptime guarantee.

2. Performance Security (ITB Clause no. 6)

1. 50% of value of Performance security will be discharged by the Purchaser and returned to the supplier not later than 60 days, following the date of completion of the supplier's performance obligation including any warranty obligations. The Balance 50% value of the performance security will be released after entering into a comprehensive maintenance contract after the warranty period and on payment of required performance security for the CMC contract. However in no case, the performance security will be returned before the date of completion of the warranty obligation.

2. Performance security for Maintenance contract: After successful completion of warranty period of 3 years, the supplier shall furnish performance security for 5% of the

comprehensive AMC applicable for 5 years maintenance period valid for 5 years period of maintenance. Performance security may be furnished in form of an Account payee Demand Draft, the amount will be returned to the supplier promptly after satisfactory completion of contract period.

3. Inspection and Tests (GCC Clause no. 6)

The following inspection procedures and tests are required by the Purchaser;

1. The supplier shall get each equipments as per the scope of work mention in tender will inspected in manufacturer's works and submit a test certificate and also guarantee/warranty certificate that the equipment conforms to laid down specifications.
2. The Purchaser or its representative may inspect and/or test any or all the equipments and other scope of work to confirm their conformity to the Contract specifications, prior to dispatch from the manufacturer's premises. Such inspection and clearance will not prejudice the right of the consignee to inspect and test the equipment on receipt at destination.
3. For the equipment, if fails to meet the laid down specifications the supplier shall take immediate steps to remedy the deficiency or replace the defective equipment to the satisfaction of the Purchaser.

4. Delivery and Documents (GCC Clause 8)

For equipments costing more than Rs. 2 lakh /per unit the supplier must submit all qualification documents (DQ,IQ,OQ,PQ) to be carried out during installation and commissioning.

5. Insurance (GCC Clause 12)

For delivery of goods at site, the insurance shall be obtained by the Supplier in an amount equal to 110% of the value of the goods from "Warehouse to Warehouse" (Final destinations) on "All Risks" basis including War Risks and Strike.

6. Incidental Service (GCC Clause 10)

The following services covered under Clause 10 shall be furnished and the cost shall be included in the contract price:

(a) Unloading, safe storage and handling of consignment of site.

(b) On site assembly if any of the supplied goods, installation, testing and commissioning of the equipment.

(c) Furnishing of detailed operations and maintenance manual for each appropriate unit of supplied Goods;

7. Spare parts (GCC Clause 11)

1. Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods. Other main spare parts and components shall be supplied as promptly as possible but in any case within 15 days of placement of order.

2. The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee / warrantee period should be attached / enclosed along with the sealed quotation. The tenderer are required to furnish the list of spares along with their cost in the financial Bid separately which will not be taken for evaluation.

8. Warranty (ITB clause no. 7, GCC Clause 14)

The Supplier shall, in addition, comply with the performance and/ or consumption guarantees specified under the contract. If for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall at its discretion either: make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with SCC 3.

9. Payment (GCC Clause 15)

1. If there is a delay in installation of the equipment due to reasons not attributable to the supplier such as non readiness of site, 50% of the supply value will be released against supply and provisional stock entry certificate from the Purchaser

2. If there is no situation such as non availability of site etc., and installation is taken up by the supplier immediately after supply, 50% of the supply value will be paid against supply and certificate for receipt of the item in good condition and a stock entry certificate, from the Purchaser.

3 The final 20% will be paid after receipt of Equipment performance certificate after 90 days (of above point) issued the end user to Purchaser.

4. For items ordered in bulk quantities, the first payment will be released only after supply / installation of at least 20% of the ordered quantity or Rs.25.00 lakhs whichever is less.
5. Payment will be made either by means of Cheque or through RTGS (Real Time Gross Settlement System) / Core Banking / NEFT (Net Electronic Fund Transfer) by Purchaser

10. Liquidated Damages (GCC Clause 22)

For delays:

1. The Purchaser-Chief Medical & Health Officer, NCD-NPCDCS PROGRAMME after concern/approval with NCD Purchase committee may allow extension for a maximum period of 4 (Four) weeks (28 days), after the stipulated date of supply /Commissioning of CCU (i.e. 120 days) with a penalty of 0.5% which will be deducted from the purchase order value as "Liquidated Damage", for each week (7 days) upto a maximum 3% on the value of the goods.

2. If the supplier fails to complete the supply within the extended period, i.e. 28 days after being allowed by the PURCHASER no further purchase order will be placed to the firm for the said item and the concerned firm will be blacklisted for two (2) years from the date of issue of letter for the said item.

3. In case any equipment remains in non-working condition for more than 7 (seven) days from the date of complaint, penalty of 0.5% of the security deposit per day will be charged.

11. Resolution of Disputes (GCC Clause 27)

In case of any conflict regarding disqualification of technical bid/awarding of contract/other issues for any equipment and a claim is made in the court of Law, then scope of such claim will be restricted to that equipment only. For any court cases, each item in the schedule of requirement will be considered as individual tenders.

In the case of a dispute or difference arising between the Purchaser and a Supplier relating to any matter arising out of or connected with this agreement, such dispute or difference shall be settled in accordance with the Arbitration and Conciliation Act 1996 the Arbitral Tribunal shall consist of 3 Arbitrator, one each to be nominated by the Purchaser and the supplier. The third Arbitrator shall be chosen by the two Arbitrators so appointed by the parties and shall act as Presiding Arbitrator. In case of failure of the two Arbitrator

appointed by the parties to reach upon a consensus within a period of 30 days from the appointment of the Arbitrator appointed subsequently, the Presiding Arbitrator shall be appointed by the President of Institute of Engineers (India). The venue of arbitration shall be Raipur, Chhattisgarh.

12. Notices (clause 30)

For the purpose of all notices, the following shall be the address of the ***Purchaser*** and Supplier.
Purchaser:

CHIEF MEDICAL AND HEALTH OFFICER. NCD -NPCDCS PROGRAMME

Room No. 21, 1st Floor, D.K.S. Bhavan, Old Nurses Hostel, Raipur – 492001(C..G)

Phone: 0771-2535304

email: ncdcellraipurcg@gmail.com

Supplier: To be filled during contract signing

13. Comprehensive Maintenance Contract (CMC):

1. The Supplier shall indicate clearly the free guarantee maintenance of the whole system supplied by the Supplier and the same should not be less than 3 years.
2. The Supplier shall also indicate separately post guarantee maintenance cost of the entire system for 3 years subsequent to free maintenance period and shall clearly indicate year wise maintenance cost which should include cost of spares required for each year, in addition to comprehensive maintenance charges.
3. The scope of comprehensive Annual Maintenance Contract shall include replacement of all parts without any exclusion. The supplier shall undertake Preventive Maintenance Service on half yearly basis and attend to all break-down maintenance calls. The payment for the comprehensive maintenance will be made at the end of June and December of each year against certification from the end user for satisfactory completion of Preventive Maintenance and attending the breakdown calls within the stipulated period of 7 days from the date of intimation.

14. Rate Contract:

The tender is also a 'Rate Contract'. The bidders are expected to quote their best

rates for the equipments. The rates quoted by the bidder shall remain valid for one year from the date of signing of contract(Must and mandatory for such validation) and the bidder will have the option to extend the period of price firmness for a further period of upto six months, during which CMHO-NCD – NPCDCSPROGRAMME or any of the user Institutions under the Government of Chhattisgarh, may place order for the supply and installation of same equipments procured under this tender. If the tender inviting authority/user institutions choose to place the orders for supply, installation and commissioning, the successful bidder is bound to supply the same make/model of the equipment at the same rate and same terms and conditions of this tender to such agencies/institutions, placing the repeat order. The rate contractors can withdraw at any point of time, after the minimum price firmness period of six months, but not after accepting the Letter of Intent or entering into Agreement with CMHO-NCD –NPCDCSPROGRAMME or any other user Institution under the Government for the Quantity for which it has entered into Agreement with CMHO-NCD –NPCDCSPROGRAMME /User Institutions during the minimum price firmness period. CMHO-NCD-NPCDCS PROGRAMME. i.e the Purchaser /User Institutions can also withdraw from rate at any point of time after minimum price firmness periods of six months, but not after entering into Agreement with the rate contractor for the Quantity for which the Contract is already signed by both parties.

15. CHECK LIST:

Bidder should provide the following documents specified provided in tender website.

Documents to be Provided in Cover A

S. No.	Name of Documents	Provide	
		Yes	No
01	Description of the bidder : Not more than 1 page		
02	Documentary evidence of constitution of firm.		
03	List of items for which bid is quoted		
04	Copy of RTGS Receipt or Demand Draft for submission of tender processing fee.		

05	Copy of RTGS Receipt or Demand Draft for submission EMD / Copy of exemption certificate.		
06	Acceptance of all terms & conditions in all Sections of Tender document. (Declaration as per Annex – III)		
07	Valid manufacturing license / import license/ Dealership license (Importers and dealers should also submit the copy of valid manufacturing license of the firm to which the product belongs)		
08	Manufactures authorization and power of attorney to transact business on behalf of the manufacture (For dealers/Distributors)		
09	Copy of ISO certificate.		
10	Performance certificate Annexure		
11	Sales Tax, Vat tax clearance certificate.		
12	Copy of PAN card of the Firm		
13	Annual turnover statement		
14	Non- Conviction Affidavit		
15	Other documents for establishing eligibility of bidder.*		
16	Make and model of the equipment		
17	Non – Blacklisted Affidavit for the product (Annex – VII)		
18	Copy of IEC – 60601/ IS 13450 Certificate (Mandatory for electronic medical equipments)		
19	ISI/BIS/CE/US-FDA Certificates or any other Quality assurance Certificates for product quoted.		
20	Radiation Safety Related Certificates / documents where required.		
21	Colour Leaflet/Brouchure/Literature/Manual/presentation with operating mannual for quoted product.		
22	Product specification in specified column of Annex – IX		
23	Undertaking for supply of spare part and service for 10 year after award of contract.		

24	Details name, address, telephone no., Fax, e-mail of the manufacturer /authorized distributor / service centre / contract person / office in Chhattisgarh.		
25	Other documents for establishing product information.*		

Documents to be provided in Cover B

1. List of items for which bid is quoted with price (UCP) ***(to be filled Mannually)***
2. Ultimate cost to the purchaser with break up i.e.: Price Schedule. ***(to be filled mannually)***
3. Item wise cost for CMC after warranty period. ***(to be filled mannually)***
4. The spare price list of all spares and accessories (including minor) required for maintenance and repairs. ***(to be mannually)*** This will be only for information of the purchaser.

Note: Please note that the Bidder run the risk of his bid being rejected if the Price Schedule contains any conditions.

The schedule of major activities in this regard is as under:-

- **Introduction**
- **About NPCDCS**

India is experiencing a rapid health transition with a rising burden of Non Communicable Diseases (NCDs). According to a WHO report (2002), cardiovascular diseases (CVDs) will be the largest cause of death and disability in India by 2020. Overall, NCDs are emerging as the leading cause of deaths in India accounting for over 42% of all deaths (Registrar General of India). NCDs cause significant morbidity and mortality both in urban and rural population, with considerable loss in potentially productive years (aged 35–64 years) of life. It is estimated that the overall prevalence of diabetes, hypertension, Ischemic Heart Diseases (IHD) and Stroke is 62.47, 159.46, 37.00 and 1.54 respectively per 1000 population of India.

There are an estimated 25 Lakh cancer cases in India. According to the National Commission on Macroeconomics & Health (NCMH) Report (2005), the Crude Incidence Rate (CIR) for Cervix cancer, Breast cancer and Oral cancer is 21.3, 17.1 and 11.8 (among both men and women) per 100,000 populations respectively. The main preventable risk factors for NCDs are tobacco consumption; poor dietary habits, sedentary life style, stress etc. National Family Health Survey III (2005-06), reported that the prevalence of current tobacco use was 57·0 % among men and 10.8% among women. Over 8 lakh deaths occur every year due to diseases associated with tobacco use. The cancer registry data reveals that 48% of cancers in males and 20% in females are tobacco related and are totally avoidable. Common cancers caused by smoking tobacco are lung, larynx, pharynx and oesophagus, while cancers of the mouth, tongue and lip are due to chewing and smoking tobacco.

States have already initiated some of the activities for prevention and control of non-communicable diseases (NCDs) especially cancer, diabetes, CVDs and stroke. The Central Govt. proposes to supplement their efforts by providing technical and financial support through National Program for Prevention and Control of Cancer, Diabetes, CVD and Stroke (NPCDCS). The NPCDCS program has two components viz. (i) Cancer & (ii) Diabetes, CVDs & Stroke. These two components have been integrated at different levels as far as possible for optimal utilization of the resources. The activities at State, Districts, CHC and Sub Centre level have been planned under the programme and will be closely monitored through NCD cell at different levels.

- **About the Project:**

Districts covered under NPCDCS are being provided assistance to create and maintain facilities and services for patients suffering from cancer, diabetes, cardiovascular diseases and Stroke. As a result, this cardiac care unit is being set-up at the Raipur district under the guidance of NPCDCS.

Scope of the project

The CCU is proposed to be setup at the District Hospital Raipur. The bidder shall be provided with a room to carry out the interior work of the CCU as per the modern CCU standards and supply and install the CCU equipment and furniture as mentioned in this document**. All the three components should be executed by a single bidder and no partial bids will be entertained.** The government will get the necessary civil done as per the selected bidder's proposed solution. Brief scope of work –

i) CCU Interior and electrical work of the CCU room

ii) Medical Gas Pipeline System

iii) CCU Equipment

iv) CCU Furniture

v) CCU related training simulation setup

A. From above scope, following scope of work will be termed as medical equipments

1. Medical gas pipe line system
2. CCU biomedical equipments
3. CCU patients furniture

B. Following scope of work will be termed as non medical equipments

1. CCU interior work and electrical work of the CCU room
2. CCU related training simulation set up

C. Scope of work for non medical cal as well as medical equipment

As per the specification mentioned assisting & preparing drawing is applicable to all above services

i. Drawings showing desired location of electrical fixtures.

ii. Drawings showing desired location of plumbing fixtures

iii. Drawings showing desired location of air conditioning & total HVAC system fixtures.

iv. Drawing showing fire protections devices like water sprinklers & smoke detectors

v. Drawings showing desired location of building related medical fixtures

vi. Drawings showing desired location of computer points

vii. Drawings showing desired location of telephone points

viii. Drawings for electrical layout, plumbing layout, air conditioning, computer LAN, telecom wiring, cabling for CC TV cameras and PA systems

ix. Preliminary design of MEP/other systems including building thermal load calculations, selection of system concepts and establishment of building and electrical interfaces

x. Preparing BOQ for medical and non-medical equipments with their technical specifications, tender documents, and evaluation of tender proposals (design and tender stage)

xi. Preparing BOQ for interiors including electrical, HVAC, MEP with their technical

specifications, tender documents, and evaluation of tender proposals (design and tender stage)

xii. Supervising on administration and coordination of the MEP/other works during the construction stage

xiii. Coordinate the MEP work on site with the activities of inspection agencies through installation, testing, commissioning, handover and acceptance phases.

xiv. Supervision on review equipment schedule and procurement process iii. Drawings showing desired location of air conditioning & total HVAC system fixtures.

iv. Drawing showing fire protections devices like water sprinklers & smoke detectors

v. Drawings showing desired location of building related medical fixtures

vi. Drawings showing desired location of computer points

vii. Drawings showing desired location of telephone points

viii. Drawings for electrical layout, plumbing layout, air conditioning, computer LAN, telecom wiring, cabling for CC TV cameras and PA systems

ix. Preliminary design of MEP/other systems including building thermal load calculations, selection of system concepts and establishment of building and electrical interfaces

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xii. Supervising on administration and coordination of the MEP/other works during the construction stage

xiii. Coordinate the MEP work on site with the activities of inspection agencies through installation, testing, commissioning, handover and acceptance phases.

xiv. Supervision on review equipment schedule and procurement process

A) CCU Interior work – The bidder shall i) design the interior of the CCU, ii) procure necessary material and iii) complete the construction activity iv) complete electrical work required for commissioning of the CCU

a) The bidder shall in their technical bid submit the detailed drawings, designs, bill of materials for their proposed CCU interior work. (Form T-5)

b) An indicative framework for the CCU interior works has been provided in the tender document with the minimum specifications. The bidder should propose minimum of these specifications and works.

c) The drawings, designs and the entire interiors solution proposed by the bidder shall be evaluated as part of the technical bid.

d) The government is in the process of completing the civil work of the proposed CCU room. A drawing of the CCU room being constructed can be obtained from office of the Chief Medical & Health Officer (CMHO),FOR NCD-NPCDCS PROGRAMME, Chhattisgarh, RAIPUR CG. The bidder should study the layout and drawings of the proposed CCU room and propose solutions for the interior work accordingly**. The bidder should also physically inspect the CCU space to get a better understanding (This condition is mandatory).** Any solution of CCU interiors which is not according to the room layout shall be rejected and the bid shall be – technically disqualified. Any additional work required at the CCU site to meet the requirements of the interiors solution of the bidder, shall be carried out by the bidder himself.

e) Minimum standards of the CCU interiors (Form T-6) - Following codes and standards must be taken into account while proposing the CCU solution –

STANDERD & CODES

The design, standards, & codes, selection of equipment and item, furniture and fixture, Medical gas pipe line & equipment, lighting and A.C, flooring and walls and other works are as per ICS (Intensive care society) 1997 / National Building Code/NABH/HTM

ICU Design Guidelines

1. American Institute of Architects Committee on Architecture for Health and the U.S. Department of Health and Human Services —

Guidelines for Construction and Equipment/Hospital and Medical Facilities. AIA Press, I 996.

2. American College of Critical Care Medicine's Taskforce on Guidelines: Guidelines for Intensive Care Unit Design. SCCM and AACN. 1993.

3. Joint Commission on Accreditation of Healthcare Organizations: The Joint commission Accreditation Manual for Hospitals. JCAHO. Chicago.

DETAIL OF STANDARDS AND CODES

GENERAL:-

- Standards for Intensive Care Units. Intensive Care Society. 1984
- Guidelines on Admission to and Discharge from Intensive Care and High
- Dependency Units. Department of Health. March 1996
- Guidelines for utilization of intensive care units. European Society of Intensive
- Care Task Force. Intensive Care Medicine. 1994; 20: 163-164
- Recommendations on minimal requirements for Intensive Care Departments.
- Recommendations for critical care unit design. Task Force on Guidelines.

ELECTRICAL SYSTEMS:-

Health Technical Memorandum (HTM) 2011, Emergency electrical services.

NOTE: There are 4 parts to HTM 2011:

i) Design considerations

ii) Management policy

iii) Operational management

iv) Validation and verification BS 5742 (Parts 1 and 2).

f) The bidder shall perform the following indicative activities (but not limited to) –

i) Painting and filling of all CCU joints
ii) Gypsum prefabricate ceiling
iii) Anti-Static homogenous flooring
iv) PUR Wall Covering
v) Curtain Partitioning
vi) Providing modular turnkey bed head panel

ANNEXURE -II Technical Specification

g) Schedule of minimum requirements for the CCU interiors work

S.No.	Item	Quantity	Specification
1	**Antibacterial Painting of CCU**	As per requirement	Anti-Microbial Protection: These product hygiene coatings start the biocidal action as soon as the microorganism land on the surface, and prevents the growth of mould, bacteria and yeasts for at least 5 years. This Hygiene coating are independently tested by leading universities to demonstrate resistance. Lily Cycle Savings : The unparalleled durability of our hygiene coatings helps to extend

			the maintenance cycle and to minimize all related material, labour and shut down costs. The speed with which they can be installed and the ease of subsequent maintenance also create significant cost savings.Chemical Pesistance : These hygiene coatings should be highly resistant to abrasives, detergents and weak acids and alkalis used in cleaning regimes. Further more, they can be regularly steam cleaned without any loss of performance or adhesion to the substrate.
2	**Wall & Ceiling Panels for CCU**	As per requirement	The pre-fabricated modular construction should be designed and constructed for exact size : EGP sheet(1.6 mm thick) walls & ceiling panels backed by 12mm thick gypsum board to provide the seamless operating room. The external walls of the room are constructed with solid brick and mortar and is in the scope of the hospital. The inner surface walls should be constructed with at least 1.60mm thick EGP sheet panels backed by 12mm gypsum board. The inner surface walls should be fixed to the brick wall with essential supports. There should be minimum possible cavity/gap in between the solid and steel walls. The total distance between the inside and outside surfaces of the operating room should be variable to suit the architects' layout, but should be sufficient for the flush mounting of equipments. The individual wall panels should be spot welded together at equal intervals to render equal support to the panels. Spot welding should be properly grinded to make the surface levelled. All wall-mounted equipment should be flush mounted and sealed into theatre. The wall panel design and construction should allow for the installation and support of all equipment and the provision of openings required for the installations, without affecting rigidity and strength. Access boxes should be fitted to the rear of all wall-mounted equipment to enable maintenance to be carried out from outside the operating room All the sharp edges and corners should be smoothened.
3	**Anti-static**	As per	Flooring seamless with perfectly curved flash-

	homogenous flooring	requirement	coving, resistance to mechanical stress and dynamic loads and having ESD /EMI(conductive) protection characteristics, 2 mm thick, washable. Conductive flooring with carbon backing total thickness 2.00mm, total weight 3400 g/m2 EN-430 polyurethane reinforced ,scratch resistant, fire resistant, chemical resistant , slip resistant, anti fungi & bacterial growth , dimensional stability. Installation : The flooring would be installed on a smooth, clean sub floor which should be free from any undulation .A copper strip/mesh should be layer under the tiles, with one earthing point for every 150 sft of area and good quality water based adhesive for fixing as per as manufacturers recommendation. Thermal Welding : The joints must be welds by the heat fusion process to get a seamless floor. The joints in the flooring should be sealed by using a PVC welding bar of matching colour to be supplied by the manufacturer, using a hot air gun for fusion of welding bar with flooring.
4	**Curtain Track partition .**	As per requirement	Cubicle Curtain Track : It should be made from heavy Duty Aluminium cubicle track size 20mm wide x 30mm high, made of aluminium natural anodized to 15 microns complete with continuous PVC liner, nylon gliders and hooks, plastic end cap, connecting bridge, overlapping joint connector, wall brackets with matching screws to make up cubicle height to 2100mm clearance from floor level at 1000mm spacing and securely fixed to above slab all strictly in accordance with the manufacturer's instruction.
5	**Intravenous Track I.V Track :**	As per requirement	It should be made from heavy Duty Aluminum Intravenous track 'U' configuration size : 35mm (W) x 19.2mm(H) make of aluminum natural anodized to 15 microns complete with wall brackets with matching screws all strictly in accordance with the manufacturer's instruction 1 no. IV carrier to a set of IV support track complete with 5 points Telescopic Bottle Holder adjustable

			600mm~900mm tree.
6	**Vertical Bed Head Wall Panel**	As per requirement	It shall be duly CE marked and comply with 93/42/EEC Medical Devices: General & shall have CE No. It shall be constructed from high quality anodized aluminum profiles with a maximum length of 2100mm length in one piece with integrated double support rail at both the sides. Pre Piped and Pre Wired. 2/3/4/5/6 customer choice of Gas Outlet Points. (Gas outlet will be free issue for fixing in the bed head panel by the hospitalor contractor). It shall have following: 1 No.RJ45 Data Socket + 1 No. RJ 15 Sockets with Frame, 8 Nos. multi-pin 6/16 amp electrical switch +sockets and frame for normal supply. 8Nos. potential sockets for earthing. It should complete through piping to the central connection point by means of medical grade copper pipes complies to EN 13348 standards.

B- Scope of Work Medical Gas Pipeline System

S.No.	Item	Quantity	Specification
1	**Oxygen Base Unit**	1	**A) Oxygen Manifold 2+2** It shall be configured with 2 + 2 nos. of class D type cylinders and will be suitable to withstand working pressure of 145 Kg/cm2 along with 4 nos. of high-pressure copper annealed tail pipes with end brass adapter suitable for oxygen cylinders and manifold. 2 cylinder manifold bank as left side and 2 cylinder manifold bank as right side complete with 4 nos. of pig tail pipes and 4 nos. of non-return valves. Top frame will comprise of high pressure copper pipes of size 1/2" NB x 15 swg with high pressure brass fittings made of high tensile brass and connections through non- return valves, high pressure copper tail pipes, made of high pressure copper pipe of size 1/4" NB x 15 swg. The design of middle and bottom frames should be provided to fit both round and flat bottom cylinders safely. The manifold must be tested (hydraulically) at 150 bar and necessary test certificates should accompany along with the supply. CE Marked. CE Certificate must be submitted. **(B) Oxygen Emergency 1+1 Manifold** SPECIFICATION:- The Oxygen Emergency Reserve Manifold System shall have 1 cylinder manifold bank as left side and 1 cylinder manifold bank as right side complete with 2 nos. pig tail pipes and 2 nos. non return valves. The emergency reserve manifold shall provide an uninterrupted supply of medical oxygen from equally sized high pressure cylinder banks via a suitable arrangement of pressure regulators, providing a constant downstream nominal pipeline gauge pressure of 400 kPa. Each cylinder bank shall be fitted with an isolation valve to enable continuity of supply in the event of primary supply failure. The emergency reserve manifold shall be provided with a lockable isolation valve to enable positive tamper-proof isolation for maintenance. The emergency reserve

			manifold shall be supplied fully assembled and tested. CE Marked. CE Certificate must be submitted. **FULLY AUTOMATIC OXYGEN CONTROL PANEL 1500 LPM.** It should fully complies and meets with the requirements of the UK DOH Health Technical Memorandum 02-01 (HTM 02-01) standards only. It shall be provided with a copy of the certificate of origin. Automatic Changeover Manifolds shall be duly CE marked to the Medical Device Directive 93/42/EEC under the auspices of notified body no. 0088 (LRQA). Under this directive, med gas products are classified as Class IIb Medical Devices. It shall be provided with a copy of the certificate of origin. It should have all regulators which should be adiabatic certified. The manifold control panel shall be designed and certified for use with oxygen at 200 bar and 60°C. Auto-ignition testing shall be carried out and a copy of the test report shall be shall be provided for review. Central regulator panel with cylinder headers each side. Headers are complete with gas specific cylinder tailpipes. Pre-wired for alarm connection to BMS outputs. Central regulator panel with cylinder headers each side. Headers are complete with gas specific cylinder tailpipes. Pre-wired for alarm connection to BMS outputs. All components degreased for oxygen use. Mild steel powder coated enclosure with Perspex window. The manifold control system shall be powered by an extra low voltage on board supply. The controller shall include normally closed alarm connections and two sets of BMS connections for both normally open and normally closed operation. Line pressure shall be continuously monitored by an electronic pressure switch; mechanically actuated pressure switches are not acceptable. There shall be a manual changeover button to enable selection of the duty bank. 50 W cartridge heaters with thermostat control: N2O and O2/N2O manifolds. Two non-return valves, one for

			each bank, shall be provided within a line pressure manifold block and shall provide gas tight isolation of each bank during maintenance and ensure supply continuity in the event of any upstream component failure. In the event of a low line pressure condition, both solenoid valves shall open to enable both banks to deliver gas and restore normal pipeline pressure. A manifold status panel shall be provided with colour coded LED indication lights for the following operating and fault indications: Power On (Green) High Line Pressure (Red) Low Line Pressure (Red) Reserve Low (Amber) Left Bank Running (Green) Left Bank Low (Amber) Left Bank Empty (Amber) Right Bank Running (Green) Right Bank Low (Amber) Right Bank Empty (Amber) The Interface Indicator shall be provided with colour coded LED indication lights for the following operating and fault indications: Normal (Green) Duty Bank Empty (Amber) Standby Low (Amber) Reserve Bank Low (Amber) Pipeline Pressure Fault (Red) System Fault (Red) In the event of a power supply failure, both solenoid valves shall open to enable gas to be supplied from both cylinder banks simultaneously until restoration of the power supply.
2)	**Medical Compressed Air Base Unit**	1	Air Compressor (2 nos) : Oil free air cooled reciprocating maintenance free double stage Air Compressor. Having a heat resistance and thermosetting composite resin base

			self lubricating piston ring complete with base frame, belt guard, V belt and TEFC Class 'F' insulation motor. The medical compressed air system should be complete in all respect and with following equipments and accessories. Type : Air Cooled reciprocating type Piston displacement : 1619 LPM (each) Free Air Delivery : 1300 LPM (each) Working Pressure : 9 Kg/cm2 gauge (each) Drive Data Control : Loading and unloading through Pressure switch Electric Motor : 3-phase, 415 Volt, 50 cycle, TEFC induction Motor insulation Class 'F' 15 HP (each) Air Receiver :1500 water Capacity one no. fabricated from IS-2003 boiler grade plate and construction as per IS-2825 complete with safety valve, drain valve, pressure gauges, auto drain valve with by pass. After Cooler :After cooler should be constructed 80mm OD seamless steel pipe through which air should pass and cooling water should pass through minimum 10mm ID seamless copper pipe bundle to 10 nos. minimum, complete with moisture separator fitted with auto drain trap. Suction Silencer with filter : Required for each compressor Inter Connection :Interconnecting air piping between compressor, after cooler, moisture separator, receiver and air dryer, NRV, and vent valves. Air Dryer (2 nos.) : Dry spell desiccant dryer having 45 cfm free air delivery for 4bar medical Air system. Specifications:-

			Maximum Working pressure : 16 Kg/cm2 Air inlet condition : Maximum Fluid Temperature 70^0C Pre-filter rating (Coalescer) : 0.3 Microns Cycle Time : 4 Minutes Regeneration Volume : 10% Air Outlet Conditions : Dry air at minus 40^0C Dew Point Features: With Microprocessor based controller. Sub-micron filter with automatic drain valve should ensure efficient pre-filtration. Shuttle valves for low pressure drop. All aluminum Drying Tower resist oxidation & Scale formation for a long period of time. 4 Stage Air Filtration Systems (1nos. for 4 bar) The filters should be made of die cast aluminum housing with epoxy powder paint on the outside and anodized surface treatment inside to prevent corrosion and ensure extra long life. The filters should have maximum contaminant removal efficiency with minimum pressure drop. Total 4-stages of filters should be used as mention below: Stage 1: Coalescing filters for general purpose protection, removing liquid water and oil aerosol to 0.1 mg/cum. (0.1 ppm) and particles down to 1 micron. Stage 2: Particulate filters for dust protection, removing particles down to 0.1 micron. Stage 3: Oil Vapor & odor removal maximum up to 0.003 mg/m3 at 21 degree C(0.003 ppm) (W) at 70 degree F. Stage 4: High efficiency coalescing filters, removing liquid water and oil aerosol to 0.01 mg/cu.m. (0.01 ppm) and particles down to 0.01 micron. NOTE:- There should be 1 Nos. of 4 stage filter for

			4 bar medical air. Pressure Reducing Station (1nos. for 4 bar) There should be two air regulators control by isolation valves for 4 bar medical air system. Air Regulator specification:- Diaphragm and balanced valve design ensure good regulation characteristics Non-rising adjusting knob has snap-action lock
3)	**Medical Vacuum Base Unit of 500 LPM.**	1	It should fully complies and meets with the requirements of the UK DOH Health Technical Memorandum 02-01 (HTM 02-01) standards only. It shall be duly CE marked to the Medical Device Directive 93/42/EEC under the auspices of notified body no. 0088 (LRQA). Under this directive, med gas products are classified as Class IIb Medical Devices. It shall be provided with a copy of the certificate of origin. One identical vacuum pumps should be working and one standby. Comprising of Duplex rotary vane vacuum pumps (2 x 2.2kw 500kpm each), 1 x 500lpm each working as duty and 1 x 500lpm as standby. 1 x 2.2KW rotary vane vacuum pump base/floor mounted (500 lpm flow rates of each pump). 1 x 500 liters capacity vertical vacuum receiver tanks. 65 dBA sound pressure level. 28mm OD pipe work and 22mm is exhaust pipe. The Medical Vacuum Plant shall be fully tested. A test certificate shall be provided showing the results of the tests, including the free-air flow rate obtained at an inlet vacuum of 450 mmHg. Type testing of plant flows or testing in component form is not acceptable. Vacuum pumps shall be air-cooled, oil lubricated rotary vane type suitable for both continuous and frequent start/stop operation at nominal inlet vacuum levels of between 475 mmHg and 650 mmHg. Rotors shall be driven by directly coupled totally enclosed fan-cooled electric motors. Pump inlets shall include a wire mesh filter and integral non-return valve to prevent oil suck back and pressure increases in the vacuum system. Each vacuum pump shall be provided with an oil mist

			eliminator delivering a virtually oil-free exhaust. Each pump shall be fitted with anti-vibration pads between the pump foot and mounting frame and an oil level sight glass. A pressure switch shall be included to provide an indication that the pump is operating normally once it has been called into service. Vacuum Pump Starter Units : Pump starter units shall be provided with Direct-On-Line (DOL) motor starters for nominal motor powers up to 7.5 kW and Star-Delta (Wye-Delta) motor starters for motors above 7.5 kW. Each motor shall be protected by a thermal overload relay. The incoming supply shall terminate at a door interlock isolator. An ammeter shall be fitted to each starter panel indicating the current drawn by the motor. Each pump starter unit shall incorporate a 24V transformer that provides power to the Plant Control Unit such that complete control of the plant is maintained in the event of a single power supply failure. The pump starter unit shall provide LED indication lights for the following operating and fault conditions: • Mains Supply On (Green) • Selected (Green) • Called For (Green) • Operating (Green) • Control Circuit Failed (Amber) • Overload Tripped (Amber) • Over Temperature, if fitted (Amber) • Pump Fault (Amber) • Pump Failed (Amber) Plant Control Unit : The Plant Control Unit shall incorporate an intuitive menu driven display for access to operational information and service

			functions. A securely protected engineer's mode shall also be provided that can only be accessed by authorised personnel to modify operational parameters. The Plant Control Unit central control system shall operate at extra low voltage and include BMS connections for plant fault, plant emergency, reserve fault and pressure fault. A mechanical backup pressure switch shall ensure continued system operation in the event of a control system or transducer malfunction. The Plant Control Unit shall incorporate an intuitive menu driven LCD display, providing easy access to system operational information and alarm resets. The Interface Indicator shall be provided with colour coded LED indication lights for the following operating and fault indications: • Normal (Green) • Plant Fault (Amber) • Plant Emergency (Amber) • Check Status (Amber) • Pipeline Pressure Fault (Red) • System Fault (Red) Vacuum Vessel(s) : 1 x 500ltrs Vacuum vessels shall comply with BS 5169:1992 and be manufactured from heavy gauge fusion welded steel with a minimum wall thickness of 5 mm and dished ends with a minimum wall thickness of 6 mm. Total vacuum vessel volume shall be at least 100% of the plant capacity in 1 minute in terms of free air aspired at normal working pressure. Where only a single vessel is supplied it shall be connected to the bacteria filters in parallel with the pumps such that operation of the system can continue during receiver isolation for periodic internal inspection. The vessel shall include a drain valve and a 100 mm nominal diameter vacuum gauge complete with isolating valve.

			Bacteria Filters : Single the Pyrex connected via a manual isolating valve.®manufactured from transparent Pyrex surfaces in order to maintain a seal in the event of inadvertent breakage of flask. All drain flasks shall be suitable for sterilisation and be®bacteria filters shall be provided, incorporating high efficiency filter elements. Each filter shall be generously sized to carry the full plant design flow capacity with a pressure drop not exceeding 22 mbar (16.5 mmHg). Bacteria Filter elements shall have penetration levels not exceeding 0.005% when tested by the sodium flame method in accordance with BS 3928:1969 utilising particles in the 0.02 to 2 micron size range. Each filter shall be provided with a differential pressure gauge. A drain flask shall be connected to each filter. Drain flasks shall be with a polymer coating on the inner and outer
4)	**Electrical wiring inside Plant and manifold room**	As per requirement	Hospital will terminate required 3 phase at a point in the manifold room. All other work has to be provided by the supplier, Cable with distribution board inside the plant room. Electric cable with fixtures and fittings for manifold room. All switch-gear and motor control centre e.g. switches statement etc. volt and ampere meters. Contactors shall be of reputed make e.g. L&T, Siemens, GEC or English Electric. All switch gear motor etc. shall be of the same make for interchangeability. All electrical equipment shall be earthed in an approved manner as per I.E.E. rules and acceptable to the local authority. Earthing station shall be provided. No medical gases pipe shall be used for electrical earthing. Entire installation shall be done taking care to follow all safety regulations for electrical installation of piped medical gases system. Two main supply of the required KW up to the electrical control panel. The wiring after the control panel has to be provided by the supplier as per IEE regulations. Following material must be inside the plant room. 1.Cables , 2.G.I Earth Wire, 3.Saddling, 3a.Thumbling,4.Gland, 5.Control Cable.
5)	**Copper Pipe with**	As per	The piped distribution system shall use copper pipes manufactured from phosphorous de-oxidised non-

	BSi Kite Marked.	requirement	arsenical copper to BS EN 1412:1996 grade CW024A (Cu-DHP), manufactured to metric outside diameters and having mechanical properties in accordance with BS EN 13348:2008 in either R250 (half hard) or R290 (hard). It should be BSi Kite Mark Certified. Degreasing of pipe shall be such that there is less than 20mg/m2 (0.002mg/cm2) of hydrocarbons on the degreased surface when tested by the method specified BS EN 13348:2008.**Size: 12, 15, 22, 28 and 42 mm – quantity as per requirement**
6)	**Gas terminal Outlets**	As per requirement	It should fully complies and meets with the requirements of the UK DOH Health Technical Memorandum 02-01 (HTM 02-01). It should fully compliant with NHS C11 model engineering specification. It shall be CE marked with the notified body number specified. It shall be provided with a copy of the certificate of origin. Medical gas terminal units shall be manufactured under an ISO 13485:2003 quality management system. A copy of the certificate of registration shall be provided for review. Terminal units shall have gas indexing geometry to BS 5682:1998. Other gas specific indexing geometries are not acceptable. Terminal unit front fascia should be metal and it should be hundred percent metal. Gas specific components comprising the terminal unit second fix shall be manufactured from die-cast zinc alloy or similar hard wearing metal. Plastic components are not acceptable. Terminal units socket castings shall be permanently coated with a low friction fluoropolymer for maximum reliability and service life. The terminal unit socket die-casting shall incorporate a gas indexing pin to overcome the risk of loosening due to rough handling or abuse. The second fix socket shall incorporate a sheer-plane to safeguard the first fix and pipeline in the event of accidental damage or bed jacking. Gas specific components shall incorporate the gas identity

			marking permanently stamped or cast into the component surface. The first fix shall be all metal construction, with a brass base block and copper stub pipe. The first fix shall incorporate an integral check valve to enable servicing of the second fix and valve seals without isolation of the gas supply. Probe roller pins shall be manufactured from stainless steel. Wall mounted terminal units shall be provided with white ABS mounting box with matching fascia. The mounting box shall have smooth rounded corners to avoid the possibility of injury. A bezel shall be available to cover the plaster edge, provide a neat and easily to clean finish. **For** Oxygen, Nitrous Oxide, Medical Air 4 bar, Vaccum – Quantity as per requirement
7)	**Oxygen Flow Meter with Humidifier Bottle**	6	It shall fully comply and meets with active medical device of class IIa and in compliance with the EN ISO 15002: 2008 standard. It should be duly CE marked and comply with 93/42/EEC Medical Devices: General. It shall be CE marked with the notified body number specified. It shall be provided with a copy of the certificate of origin. Pressure compensated to prevent back pressure build up on flow indicator. Expanded scale providing higher reading accuracy. Durable polycarbonate flow tube with cover. Flow meter should be placed in the vertical position. It should be light weight of 200 g. The flow meters should be of 0-15 LPM range for oxygen and with inlet pressure 50-60psi. (4.5 bar). The closing of the knob should be without any leakage. Polysulphone 250cc Humidifier bottle should be unbreakable, reusable to

			disinfectants and complements.
8)	**Ward Vacuum Unit**	6	It shall fully comply and meets with active medical device of class IIa and in compliance with the EN ISO 10079-3: 2009 standard. It should be duly CE marked and comply with 93/42/EEC Medical Devices: General. It shall be CE marked with the notified body number specified. Vacuum Regulator : It should be continuous vacuum regulator, compact, strong and ergonomic device. It should have manual adjustment of the vacuum gauge from -45degree to +45degree for a better visibility. Vacuum gauge should be protected by a plastic housing. It should have on/off switch-button providing a quick restoration of the pre-adjusted vacuum level. It should have central regulation knob with a free rotation at the end of the course (impossible blocking). It should have quick adjustment :2.5turns are enough to reach the maximum vacuum level. It should have vacuum levels : 0-1000 mbar/hPa. The vacuum regulator should be 3-in-1 system. It should have a device with a metal outlet tubing nipple integrated in the body of the regulator for a better safety, emergency suctions can even be processed. It should be supplied with a 100ml safety jar equipped with a mechanical anti-over flow safety valve and single use antibacterial plastic filter upfront. The safety jar should be made of polycarbonate, autoclavable up to 134degree C and unbreakable. The safety jar should be fixed by an easy-click rotation. The safety jar should be able to rotate to avoid any pinch of the tubing. It should have a unit serial number laser engraved on the body of each vacuum regulator ensuring its identifications and traceability. It should be light weight 490g and dimensions (height230mm X Width 70mm X Depth 90mm). Polysulphone collection jar of 1 litres with lid : it should be unbreakable and autoclavable upto 134º C must be fitted with an extremely simple anti overflow safety device, thereby ensuring easy

			maintenance. Should be totally transparent, they ensure perfect sucked liquid visibility.
9)	**Isolation Valves Assembly**	As per requirement	It should fully comply and meet with the requirements of the UK DOH Health Technical Memorandum 02-01 (HTM 02-01) or NFPA-99C. It should be CE approved product. Lockable line valves and should comprise full-bore ball valve complete with copper stub pipes for ease of installation. Valve - connected to the copper stub pipes by means of flat faced unions fitted with nitrile O-ring seals, allowing removal of the valve without the need to distort the pipe work. Stub pipes for valve up to 54 mm will be connected to the valve body using screwed connectors, while valve above this size will use flanged connectors. Valve - Brass body, end cap and stem, with a full – bore chrome plated brass ball. Valve - Operate from fully closed to fully open with a quarter turn of the handle. All line values - Supplied with a mechanism to enable the unit to be locked in the fully closed or fully open position. Supplied with copper stub pipes for ease of installation using inert gas jointing procedures. O-Ring Seals on the valve stub allow gas tight capping at a spur for further expression. Available with gas specific NIST connectors including check valves one or both stub pipes. **For** 2 gases, 3 gases and 4 gases – quantity as per requirement
10)	**Medical Gas Monitoring Alarm**	As per requirement	It should fully complies and meets with the requirements of the UK DOH Health Technical Memorandum 02-01 (HTM 02-01) standards only. It shall be duly CE marked to the Medical Device Directive 93/42/EEC under the auspices of notified body no. 0088 (LRQA). Under this directive, med gas products are classified as Class IIb Medical Devices. It shall be provided with a copy of the

			certificate of origin. It should have anti microbial coating labels for touch control. It should be capable of monitoring up to 6 gas services by means of pressure sensors that detect deviations from the normal operating limits.. The cover, backbox and bezel (if required) shall be polyester powder. It should have antimicrobial coating. A single tamperproof fastener shall be used to gain access to the hinged door. The hinge shall operate through a minimum of 120° to provide adequate access. It should have each gas service shall be displayed by coloured LED's to show 'Normal' (green), 'Low' and 'High' pressure (red) conditions. Medical vacuum systems shall be displayed in the 'Normal' (green) and 'Low' vacuum (red) conditions. Failure indicators shall be displayed by flashing lights and normal indications shall be steady. Each LED block indicator shall be a plug-in component with individual long life LED's connected in parallel in two banks to provide duplex circuits. An audible warning shall sound simultaneously with any failure indication and a mute facility shall be provided. Following a mute selection the audible will resound after approximately 15 minutes, or shall operate simultaneously should a further alarm condition occur. A "Mute" switch shall be provided inside the panel for useduring any maintenance resulting in prolonged pipeline or plant shutdown. This facility shall automatically reset when the gas service returns to normal. The alarm panel shall have a 'Test' facility to prove the integrity of the internal circuits, LED's and audible warning. The alarm panel shall incorporate a volt free normally closed relay to allow for interconnection to either a medical gas central alarm system or an event recording circuit of a building management system. Each alarm shall provide a green LED to indicate that electrical power is available at the panel and a red LED to indicate 'System Alarm'. In the event of an electrical power supply failure the 'System Alarm' LED shall illuminate (flashing) and the audible warning shall be delayed for 30 seconds to enable standby generator tests. Line continuity monitoring circuits shall be provided to constantly monitor the integrity of the input sensors and interconnecting

			wiring. In the event of any fault the line continuity monitoring circuits shall initiate the specific gas service failure indication, a 'System Alarm' indication and an audible warning. Further aids to fault diagnosis shall be provided by means of varying flashing rates whilst operating the 'Test' switch. A simple data connection shall be provided to allow connection of up to 5 repeater panels, enabling the visual and audible alarm signals to be repeated at other locations within a department. It should be connected through Pressure and Vacuum Switches: Pressure and vacuum switches shall be manufactured with brass wetted parts and house a PCBA with line continuity monitoring resistors. Electrical connectors shall be designed for frequent disassembly. Spade connectors are not acceptable. Pressure switches shall include both high and low pressure settings in the same switch, using only a single ¼" BSPP threaded pipeline connection to minimise the number of sealed joints. The body and housing of the pressure switch shall be manufactured from impact resistance, rigid and inherently corrosion proof materials. Coating or plating of mild steel is not acceptable. Pressure switches shall connect directly to the area alarm panel. It is not acceptable to fit a separate connection box to convert switch signals to a data signal. **For** **4 gases, 3 gases and 2 gases – Quantity as per requirement**
11	**Installation and Testing**	As per requirement	Installation of piping shall be carried out with utmost cleanliness. Only pipes, fittings and valves that have been degreased and fittings shall be used at site. Pipe fixing clamps shall be of nonferrous or non-deteriorating plastic suitable for the diameter of the pipe. Inert gas welding technique should be used by passing oxygen Free Nitrogen Gas inside the copper pipes during silver brazing, in order to avoid carbon deposition inside the copper pipes. Only copper-to-copper joints are permitted on site except threaded

			or flanged joints may be made where pipelines are connected to items such as valves and control equipment. No flux shall be used forjoining Copper to Copper joints and on for joints made on site. Copper to copper joints shall be brazed using a 5% silver-copper phosphorous brazing alloy CP104. A total of 5 joints shall be cut out for examination to establish the quality of the joints being made on site. The insides shall be clean and free from oxides and particulate matter and the minimum penetration of the brazing alloy at any point shall be three times the wall thickness of the tube. If the joints examined do not conform to these requirements, then adjacent joints shall be cut out and examined until the extent of faulty workmanship has been made good. Copper-to-brass or gunmetal joints shall only be made under controlled conditions off site. The joints are ordinarily used to join short copper pipe tails to brass, gunmetal or bronze fittings to permit their connection into the pipeline. The sub-assemblies shall be degreased and individually sealed in bags or boxes before delivery to site. Adequate supports should be provided while laying pipelines to ensure that the pipes do not sag. Suitable sleeves shall be provided wherever pipes cross through walls / slabs. All pipe clamps shall be non-reactive to copper. After erection, the pipes are to be flushed with dry nitrogen gas and then pressure tested with dry nitrogen at a pressure equal to twice the working pressure or 150 psig, whichever is higher for a period of not less than 24 hours. Length and quantity of individual items (Copper pipes, AVSUs, Alarm panels, Isolation valves, Outlets, pendants etc.) are mentioned. However quantity will be calculated and paid at actuals. Bidder should quote unit price for all the items as detailed
11.1	**Painting of Copper Pipe**	As per requirement	All exposed pipes should be painted with two coats of synthetic enamel paint and colour codification should be as per British standards. Oxygen line…..White Vacuum line….Yellow Air line……. Black with white band

12	**Electrical wiring, conducting Inside CCU:**		Wiring with Low leakage current wires of FRLS wires as per requirements including providing and fixing of conducting and boxes etc. to complete the work in all respect. Wiring for 250 volts single phases and neutral 6/16 amps switched socket outlet.
13	**Medical Gas Hose Essembly**		Medical gas hose assemblies shall comply with BS EN ISO 5359 PVC hoses and hoses containing phthalates are not acceptable. Hoses shall be color coded throughout their length as specified in BS EN 5359 as follows: Medical oxygen - white Nitrous oxide - blue Vacuum - yellow All hoses shall incorporate an anti-static inner core. Hose shall be permanently secured to all fittings with stainless steel crimped ferrules, and shall incorporate a window to enable verification that the hose is fully secured onto the hose barb.
14	**Distribution Board**		Electrical Distribution Board will have all high voltage equipment should be installed in a separate enclosure. The remote cabinet should house the operating lamp transformers, mains failure relays, electrical distribution equipment and circuit protection equipment for all circuits within the operating theatre. All internal wiring should terminate in connectors with screw and clamp spring connections of the Clip-on type mounted, on a DIN rail. Individual fuses or miniature circuit breakers should protect all internal circuits. Should have CE marking. CE certificate must be submitted.
15	**Control Panel for CCU**		Control panel with matt aluminum finish should incorporate General Lighting Control with Switching ON/OF and dimming facility for Peripheral Light in the Cardiac Care Unit.

Equipment supply and installation – The bidder is required to supply, install and test the CCU equipment as mentioned in the schedule of requirements.

a) The proposed equipment shall meet **all the specifications** as specified in this tender document. Any deviation from the proposed specifications shall result in rejection of the bids. The bidder shall also comply with the service support and warranty clauses as specified in this tender document.

b) The bidder may be asked to demonstrate certain features as asked in specifications. In such cases the bidder has to arrange the demonstrations as may be asked for.

c) WARRANTY: The bidder shall supply only new, unused goods without defect arising from material, workman ship or from any act or omission of the supplier that may develop under normal use of the supplied goods and shall provide comprehensive warranty for a period of three years or as specified in the Technical Specifications.

- During the warranty period the bidder will be responsible for ensuring that the equipment is maintained in good working condition. Replacement of defective parts of the equipment or the equipment itself or rectification of defects is done promptly free of cost at the place where the equipment is installed without charging any kind of costs i.e service charge , mandays visit ,travelling, transportation, material etc.
- . Complaints would be attended to by the supplier promptly.
- The bidder will provide a list of its service centers who would be attending the after sale complaints along with complete address, concerned responsible persons and their phone numbers.

Minimum Guaranty/Warranty to be offered by the bidder of the quoted equipment/item shall be of at least 03 (Three) years from the date of installation of equipment/item. Any period more than 3 years of the warranty is appreciable.

- All losses due to defects resulting from faulty design, materials and workmanship during the warranty period shall be compensated by the supplier.
- In case of any defects detected in items under warranty, the users shall notify procurement authority about the same. Procurement authority shall promptly notify the supplier in writing for any claims arising from such defects. If the defect is not rectified by the supplier within the specified time period, procurement authority shall take necessary actions to claim compensation at the supplier's expense.

d) Schedule of requirement and specifications –

S.No.	Item	Quantity
1	Multi-parameter Monitors	6
2	ICU Ventilator (Adult and infant)	2
3	Infusion pump	2
4	Syringe Pump	6
5	Compressor	2
6	Suction machine	1
7	ECG machine computerized	1
8	Pulse Oximeter	2
9	B.P.apparatus table model	2
10	B.P.apparatus stand model	4
11	Stethoscope	2
12	Portable X-Ray Machine	1
13	Central Patient Monitoring Station	1
14	Intubation Kit, Laryngoscope	2
15	Air Conditioning	As per Required
16	Generator Set	1

Specifications

1) Multi-parameter monitor

- Screen should have both option touch and optical encoder.
- Should be 12.1" Colour LED display for better visibility.
- Should be 800 x 600 resolutions or better with clear waveform and easy to read numeric values.
- It should have separate internally fitted module for spo2, NIBP, ECG, power to minimize the after sale cost.
- Good resolution or better with clear waveform and easy to read numeric values.
  Upto 8 real time waveforms should be displayed.
- Both audio and visual alarms for vital signs should be available.
- 16 event recording of alarm conditions should be available and facility to recall with ECG waveform.

- Night mode for patient comfort and to enhance TFT life. (data will not appear on screen but keep on capture and saving on CMS if connected.)
- Special mode for viewing only waveforms upto 7 waveforms should be in monitor.
- Access to 48 hrs. of tabular & graphical trends for all measured values should be available.
- Arrhythmia Analysis should be available with selection facility of ON / OFF and also touch screen.
- Easy to learn and can be uses with single knob to browse through all menus
- Simple and clear direct keys for all-important functions should be available.
- Pacemaker detection should be available.
- Customizable to view only selected parameters & waveforms should be there.
- Minimum 5-7 User can be defined with choice of placing of parameters and waveforms on screen.
- Special mode for viewing parameter values from a distance should be available.
- Extremely flexible multiple user definable settings should be available.
- ST segment and arrhythmia detection and analysis should be available.
- Manual adjustment of voltage or amplitude should be available.
- Provision to adjust Isoelectric, J and post J points in medians should be available with 40, 60 and 80 millisecond option for neonate and adult user.
- Networking capability
- Storage of 15 alarms & recall with wave form of ECG.
- Upgradeable to CMS WI-FI.
- Alarm recall with ECG waveform.
- Should be CE approved. Submit the valid CE certificate.

TECHNICAL SPECIFICATIONS:

Electrical:

- Internal Battery: 11.1 V, 4.4 AH, Lithium Ion rechargeable.
- Battery Backup : upto 3 hours with minimum 5 minutes NIBP intervals
- Operation: AC/DC operation
- AC mains: 220 V± 10% AC, 50 Hz, 2 A

ECG/RESPIRATION

- Leads Selection: I, II, III, aVR, aVL, aVF, V in 5 lead configurations.
- Heart Rate Range: 20 to 300 bpm
- Bandwidth Diagnostic: 0.05 to 40 Hz
- Bandwidth Monitoring: .5 to 40 Hz.
- Peacemaker Detection: Indicator on waveform displayed.
- ST Sement Range: From –0.9 to 0.9 mV.
- Defib Protection: Protected against 360-joule discharge and electrostatic potentials.

SpO2

- Saturation Range; 0% to 100%.
- Pulse Rate: 20 bpm to 250 bpm
- Technology should be Nelcore/Masimo or equivalent.

NIBP

Method: Automatic Oscillometric

MEASUREMENT MODES

- Systolic (Adult/Ped.) : 30 to 250 mmHg.
- Auto: Automatic BP Measurement at 1,2, 3, 5, 10, 20, 30, 60 & 120 minutes.

RESPIRATION

- Technique : Trans-thoracic impedance
- Range : 4 to 150 breath / min

TEMPERATURE

- Range: 0 to 50 °C
- Accuracy: ± 0.1 °C

ENVIRONMENTAL

- Operating Temperature: 5 to 50° C
- Operating Humidity: 5 to 95% RH, non-condensing
- Storing Temperature: 0 to 50° C

Multipara monitor 7 Para

Multipara Monitor with ECG, SpO2, NIBP, Respiration, Temperature, IBP and ETCO2.

System should have:

- Screen should have both the option touch and optical encoder.
- Minimum 12.1" Colour TFT display for better visibility.
- Should be 800 x 600 resolutions or better with clear waveform and easy to read numeric values.
- Must be upto 8 real time waveforms display.
- Facility of big font better viewing from vital signs.
- Should have both audio and visual alarms for vital signs.
- Should have 16 event recording of alarm conditions with wave form.
- Facility of night mode for patient comfort and to enhance TFT life.
- Should be powerful LED's for night operations.
- Facility for special mode for viewing only waveforms.
- Should have access to 48 hrs. of tabular & graphical trends for all measured values.
- Facility of arrhythmia analysis.
- It can be easy to learn and use with single knob to browse through all menus.
- Should be simple and clear direct keys for all-important functions.

- Should have built-in demo mode.
- Facility of pacemaker detection.
- Facility for customizable to view only selected parameters & waveforms.
- Should have special mode for viewing parameter values from a distance.
- It should be extremely flexible multiple user definable settings.
- Facility of ST segment and arrhythmia detection and analysis.
- Facility of manual adjustment of voltage or amplitude.
- Should have provision to adjust Isoelectric, J and post J points in medians.
- It should have external VGA display connectivity.
- Facility of networking capability.
- Should be CE approved. Enclose certificate.

Electrical:

- Internal battery of 11.1 V, 4.4 AH, Lithium Ion rechargeable.
- Should have battery backup of minimum 3 hours.

ECG / Respiration:

- Must have 5 lead cable & 3 lead cable option.
- Leads Selection: I, II, III, aVR, aVL, aVF, V in 5 lead configurations.
- Heart Rate Range: 20 to 300 bpm
- Bandwidth Diagnostic: 0.05 to 40 Hz
- Bandwidth Monitoring: .5 to 40 Hz.
- Arrhythmia: Selectable arrhythmia detection.
- ST Segment Range: From –0.9 to 0.9 mV.
- Defib Protection: Protected against 360-joule discharge and electrostatic potentials.
- Selection of isoelectric point and option of J point 40, 60, 80 mm.

SPO2

- Should have SPO2 saturation Range; 0% to 100%.
- It should be SPO2 pulse Rate: 20 bpm to 250 bpm.

NIBP

- Should have method Automatic Oscillometric.
- Should have measurement modes of Systolic (Adult/Ped.): 30 to 250 mmHg, Auto: Automatic BP Measurement at 1, 2, 3, 5, 10, 20, 30, 60 & 120 minutes.

Respiration

- It should have technique trans-thoracic impedance.

Temperature

- Should have temperature range 0 to 50 °C and accuracy of ± 0.1 °C.

ETCO2

- Should have inbuilt with side stream technology.
- Should have range from 0- 99 and RR range 4 – 150.

Dual IBP

- Should have measurement range -10 to 300 mmHg.
- Should have 2 Channels.
- Should have pressure transducer 5 µV/ V/ mmHg.
- It should have sensitivity 300-3000 (ohm).
- Impedance range should be 1 mmHg.

Should have accuracy of 1 mmHg or ± 2%, whichever is greater

2) ICU Ventilator (Adult and Infant)

CCU Ventilator should be time controlled, volume constant, microprocessor based with facility for complete patient monitoring suitable for pediatrics to adult patient group, having following features:

- 12" color TFT touch screen.
- Variety of modes: VCV, PCV, PSV, NPPV and mix modes like CPAP / PSV with apnea back up ventilation and PRVC.
- Apnea back up ventilation.
- Facility to measure and display three wave forms and P/V & F/V loops with facility for freezing and over laying loops for reference.
- Vol delivery 50 ml to 2000 ml on wards in VCV with compliance compensation for circuit.
- Set up parameters

Rate 2 – 80 bpm,
I: E ratio 4:1 to 1:4
PEEP up to 35 cmH2O,
Pressure Support : 0 – 60 cmH2O.
Peak Flow : 10-140 LPM and 180 LPM in NIV Mode.

- Status indicator for ventilation mode battery life, patient data, alarm settings etc.
- With graphics & mechanics including freezing of loops.
- Monitoring of the following parameters : Airway pressure peak and mean, Tidal volume inspired and expired, minute volume inspired and expired, frequency, FiO2, PEEP, Plateau pressure, total leak, RSBI etc. with wide variety of alarms.
- Trending facility for 24 hrs or more along with event log.
- 90-260 Volts AC operating with built in battery for minimum 60 min. back up.

- Built in O2 cell.
- Should have facility for Sigh.
- Should be up-gradable to EtCO2 monitoring
- Should have facility for expiratory and inspiratory hold up to 6 sec.
- The system should have both flow and pressure trigger with a bias flow. It should allow spontaneous breathing in all ventilation modes.
- The patient trigger should be visualized with a different color
- The patient block should be autoclavable and not having any kind of consumable like flow sensor etc.
- Integrated Nebulizer facility with flow compensation.
- Trolley for the ventilator including holder for humidifier and hinged arm for holding the circuit.
- Pressure hose O2 , 3m, ISO standard
- Patient tubing system reusable (Adult)
- The system should have a internal air supply system with min. 5 years warranty not requiring any external air compressor or pipe line system.
- Should be provided with a User manual
- The unit should be CE marked to European medical devices directive and FDA certified.

3) Infusion Pumps

- Infusion Pump with Multicolour LCD Display
- Should have facility for Drop based infusion as well as Volume based infusion.
- Should work using non-dedicated Infusion sets, and there should be facility to calibrate the Infusion sets.
- It should be possible to set the flow directly in ml/h or Drops.
- Occlusion Levels : 3 levels with multi colour display
- Battery Level indicator
- Modes: Rate Mode, Time Mode & Volume Mode
- Flow range
- 1.0ml/h-1200.0ml/h or 1 – 400 drops per minute
- Flow precision ±3% in drop mode
- ±5% in Volume mode
- Purge: > 600ml/h.
- KVO Rate: Flow < 10ml/h, KVO is 1ml/h, Flow >10ml/h KVO is 3ml/h.
- Should have Bolus function.
- Battery Life : more than 8 hours on a single charge.
- Modes: Rate Mode, Time Mode & Volume Mode.
- Acuracy Adjust in Volume Mode
- Volume mode can be operated without drop sensor.
- Should be compatible with Macro & Micro sets
- Should have certification of ISO 9001:2008 and ISO 13485:2003

4) Syringe Pump Specifications

- Bottom front loading Syringe Infusion Pump with Multicolour LCD Display
- Syringe Sizes : 2, 5,10, 20,30 and 50 ml
- Should work using non-dedicated syringes, and there should be facility to calibrate the syringe
- It should be possible to set the flow directly in ml/h and based on Weight , Solution Volume,

Drug Mass & Dose, and Target Volume &Time based

- Occlusion Levels : minimum3 levels with multicolour display
- Battery Level indicator with Battery Life of Minimum 8 hours on a single charge.
- Syringe pump should not have any visible opening so as not to spill any liquid inside the machine.
- Syringe pump should be stackable, with provision to lock one machine over another.
- Should have automatic KVO Mode
- Should have purge /Bolus function with User selectable Bolus flow Rate.
- Should have Alarms for : Occlusion, Near empty, Empty, Syringe loose, Low battery, End of Infusion.
- Alarm volume should be adjustable.
- Infusion should not start with out properly locking the syringe into the Syringe Block.
- Flow range for Rate Mode: 0.1ml/h-1800.0ml/h (50ml Syringe), step of 0.1ml/h
- 0.1ml/h-800.0ml/h (20ml Syringe), step of 0.1ml/h
- 0.1ml/h-400.0ml/h (10ml Syringe), step of 0.1ml/h
- 0.1ml/h-200.0ml/h (5ml Syringe), step of 0.1ml/h
- 0.1ml/h-100.0 ml/h(2ml Syringe), Step of 0.1ml/h
- Flow precision ±2%
- Time setting Mode range:
- Volume: 0.1-99 ml, Step of 0.1ml
- Time: 1-1999 min Step of 1 min.
- Weight Setting mode range:
- Solution Volume: 0.1-99 ml, Step of 0.1ml
- Drug mass : 0.1-999ml, step of 0.1 ml
- Dose: 0.01 -99.99ug/kg/min, Step of 0.01ug/kg/min
- 0.01-99.99 mg/kg/hr, Step of 0.01mg/kg/hr
- Weight: 0.1 -99.9kg, Step of 0.1 kg, 100-300kg, Step of 1kg
- Target Volume range: 0.1-999.9ml
- Power Supply: 100-240VAC, 50/60Hz,Power consuption less than 25 VA, Weight less than 4kg with battery.
- Should have certification of ISO 9001:2008 and ISO 13485:2003

5) Compressor

Standards and Safety

- Sample Reading :As per compliance with ICSH

- (International Committee for the Standardization of Hematology)
- Should be compliant to ISO 13485: Quality systems -
- Medical devices - Particular requirements for the application of ISO 9001
- Applicable to manufacturers and service providers that
- perform their own design activities.

Instructions

- Compulsory demonstration of equipment with
- comparative chart in prebid meeting.

6- Suction machine

- Capacity 1/4 Hp
- Twin bottle.
- SS Body

7) ECG machine computerized

- 1/2 channel printout format
- 320x240 LCD to display setting
- menu and waveform in 3/(3+2)/6/12 channel
- Rhythm lead with R-R interval histogram and trend graph
- Automatic measurement and interpretation of standard ECG parameters
- Internal memory for storing 30 records
- Built in RS232/USB interface supporting data transmission to PC
- Software to be provided for post-processing of ECG waveform on PC
- Provision to enter patient info of ID, sex, age and weigh
- Input Circuit: Isolated with protection against pacemaking and defibrillation
- Input Impedance: > 50Megaohm
- Input Circuit Current: < 20nA
- Calibrating Voltage: 1mV
- Polarizing Voltage: 300mV
- Sensitivity: 5, 10, 20mm/mV
- Filter: AC: 50Hz (-3dB); EMG: 35-45Hz (-3dB)
- Time Constant: > 3.2s
- Noise Level: < 15mV
- Frequency Response: 0.05-150Hz

- CMRR: > 100dB
- A/D Converter: 12bit
- Printer: Thermal array printer of minimum 150 mm or above.
- Baseline Control: Automatic control
- Rythm lead: Standard 12 lead
- Lead Change: Automatic/Manual
- Safety Level: Class I, Type CF

08-Pulse Oximeter

1- Description of Function

1.1 A pulse oximeter is a medical device that indirectly measures the amount of oxygen in a patient's blood (as opposed to measuring oxygen saturation directly through a blood sample) and changes in blood volume in the skin, producing a photo plethysmograph

2- Operational Requirements

3.1 Suitable for all types of Patient range :Adult, pediatric, infant, and/or neonate

3 Technical Specifications

3.1 Display- LCD, Backlight illuminated
3.2 Parameters and waveform displayed- SpO2, pulse rate, system status, plethysmogram, menus for user settings
3.3 SPO2 range- 0- 100 %
3.4 Accuracy of SPO2- ±2%(70-100% adult pediatric non motion) ±3%(70-100%, neonate, nonmotion)
3.5 Pulse rate range should be 18-300 bpm
3.6 Audiovisual Alarms- High/low SpO2 and pulse rate, sensor off, sensor failure, low battery
Alarm range- 50-100%
3.7 Alarm override facility
3.8 Cable length should be minimum 1 metre
3.9 RS 232C Interface for data communication.
3.10 Integrated Printer
3.11 Battery back-up operating time 5 hours.

4 System Configuration Accessories, spares and consumables

4.1 System as specified-
4.2 SpO2:Adult SpO2 sensor with cabletwo nos per monitor and Pediatric SpO2 sensors- one no. per monitor.

5 Environmental factors

5.1 Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility.or should comply with 89/366/EEC; EMC-directive.

5.2 The unit shall be capable of being stored continuously in ambient temperature of 0 -50 deg C and relative humidity of 15-90%

6 Power Supply

6.1 Should work on 220-240V AC as well as rechargeable batteries. Mains adaptor to be supplied

6.2 Rechargeable battery operated system. Charger to be provided if integrated charger is not there.

7 Standards, Safety and Training

7.1 Should be FDA , CE,UL or BIS approved product

7.2 Manufacturer/Supplier should have ISO certification for quality standards.

7.3 Comprehensive warranty for 2 years and
5 years AMC after warranty

7.4 Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements.

8 Documentation

8.1 User/Technical/Maintenance manuals to be supplied in English.

8.2 Certificate of calibration and inspection.

09- B.P.apparatus table model

10- B.P.apparatus stand model

11- Stethoscope

12- Portable X-Ray Machine

Mobile 100 mA X-Ray Machine (Auto Programmable)

1.	**Radiographic Rating**	**:**	40 – 100 KVp .
2.	**Tube Current**	**:**	25 mA , 40 mA , 75 ma and 100 mA
3.	**Tube Voltage**	**:**	40 – 100 kVp in Steps of 2 kVp
4.	**Timer**	**:**	2-300 mAs
5.	**Rectification**	**:**	Full Wave rectified .
6.	**X-Ray Tube**	**:**	Stationary Anode Tube 2.8 mm x 2.8 mm focal spot .
7.	**Collimator**	**:**	Manual Light Beam Diaphragm.
8.	**Movements**	**:**	Should have Fully Counter Balanced , Vertical , In and out Angular Travel and Tube Up & Down
9.	**Cassette Box**	**:**	Integrated Mobile Stand with Lead Backing .
10.	**Power Supply**	**:**	230 V, 50 Hz. A.C

12. Extension Operating Switch: With 2-3 meters cable Length.

- **Equipment should have BIS & CE certified Part I Approved for Mechanical & Electrical Safety .**
- **Equipment should have AERB Approved for Radiation Safety.**
- **Equipment should have Auto programmable for KVp , Technic and mAs can be automatically selected by selecting the Body Part .**
- **Equipment should have Illuminated LCD Display.**
- **Equipment should have wheels for easy movement**
- **Should have** Digital meter for Main Line voltage display for accurate exposure.

13- Central Patient Monitoring Station for Six monitor.

____ Bed Multi Parameter Central Monitoring
with Wired System Software
System Software *with following salient features:*

~ Windows based system.
~ The system should have user friendly touchscreen
~ Hardware should have licenced Central monitoring system
~ 16 bed alignments, with full screen zoom options.
~ 4 and 8 seconds online recording and freez frame mode.
~ 24 Hours Heart Rate Trend
~ 72 hours data storage, retain & reviewal capacity.
~ Smart Alarm, Alarm Logging & Alarm queue up facility.
~ Remote Monitoring
~ Patient's Data remains stored safely even after a Power Failure.
~ All the data (Current as well as Stored) can be printed at any
on any standard Windows compatible printer.
~ Parameters:ECG, SpO2, NIBP, Resp & Temp
~ 3.0 GHz / Dual Core processor with CD/DVD RW
~ DVD writer
~ RAM : 1 GB
~ 160 GB Hard Disk (SATA)
~ 2 Serial Port
~ 2 USB Port
~ Optical Scroll Mouse with pad
~ UPS of 600 VA
~ Speakers
~ Windows Licenced User Copy
~ 17" (1280 x 1024)High Resolution TFT Monitor
~ Black n White Laser Printer
~ Suitable Table for Central Station

~ Necessary cabling for Central Station will be done by the Hospital

14- Intubation Kit, Laryngoscope(Adult/infant)

16– Air Conditioning *(As per requirement)*

17.- Generator Set

30 KVA, CPCB Approved, with Air Cooled , AMF Panel, Silent Canopy, Necessary Electric Work, Necessary Concrete Plat form, shed for covering the Generator set

B) CCU furniture supply and installation – The bidder shall be required to supply and install the CCU furniture as mentioned in the schedule of requirements.

a) The proposed furniture shall meet **all the specifications** as specified in this tender document. Any deviation from the proposed specifications shall result in rejection of the bids. The bidder shall also comply with the service support and warranty clauses as specified in this tender document.

b) The bidder may be asked to demonstrate certain features as asked in specifications. In such cases the bidder has to arrange the demonstrations as may be asked for.

c) WARRANTY: The bidder shall supply only new, unused goods without defect arising from material, workman ship or from any act or omission of the supplier that may develop under normal use of the supplied goods and shall provide comprehensive warranty for a period of Three years or as specified in the Technical Specifications.

- During the warranty period the bidder will be responsible for ensuring that the equipment is maintained in good working condition. Replacement of defective parts of the equipment or the equipment itself or rectification of defects is done promptly free of cost at the place where the equipment is installed without charging any kind of costs i.e service charge ,mandays visit ,travelling, transportation, material etc.
- The bidder will provide a list of its service centers who would be attending the after sale complaints along with complete address, concerned responsible persons and their phone numbers.

- Minimum Guaranty/Warranty to be offered by the bidder of the quoted equipment/item shall be of at least 03 (Three) years from the date of installation of equipment/item. Any period more than 3 years of the warranty is appreciable.
    - All losses due to defects resulting from faulty design, materials and workmanship during the warranty period shall be compensated by the supplier.
    - In case of any defects detected in items under warranty, the users shall notify procurement authority about the same. Procurement authority shall promptly notify the supplier in writing for any claims arising from such defects. If the defect is not rectified by the supplier within the specified time period, procurement authority shall take necessary actions to claim compensation at the supplier's expense.

d) Schedule of requirement and specifications –

S.No.	Item	Quantity
1	Transfer stretcher	1
2	CCU beds	6
3	Bedside lockers	6
4	Over bed table	6
5	Medical screen	3
6	Mattress	6
7	One step footstool	6
8	Crash Cart cum medicine trolley	2
9	Record clip trolley	2
10	Kick bucket	2

Specifications

1- Patient stretcher with X-Ray translucent.

Backrest adjustment assisted by hydraulic.
Foldable side guards, easy and safe handling, solid and hygienic construction, no danger of accidental crushing.
Chassis and upper part features – smooth and sealed coated plastic sheets for optimal hygienic

cleaning and disinfection.
20 cm castors with central locking.
Fifth castors for easy maneuvering.
Minimum height of 55 cm allows easy use for the patient and hospital staff.
High/low, trendelenburg/reverse trendelenburg positions.
Easy adjustment by levers located on both sides.
X-Ray translucent backrest.
Patient belt for fastening.
Oxygen tank holder.
Height adjustable stainless steel IV pole.
Washable at 95°, fire retardant, mattress cover.
Plastic crash bumpers.
Easy to clean, plastic coating, telescopic pistons.
Electrostatic painted metal frame.
Cleaning with NANO technology.

Height Range	: 55-87 cm
Trendelenburg	: 15°
Reverse Trendelenburg	: 15°
Backrest Angle	: 90°
Overall Length	: 216 cm
Width	: 77 cm
Patient Surface Length	: 195 cm
Patient Surface Width	: 62 cm
Back Section Length	: 73 cm
Castor Diameter	: 20 cm
Weight	: 110 kg
Safe Working Load	: 225 kg

It should conform to CE or FDA
Manufacturer should have ISO certification for quality standards.

2- CCU Beds:

- Three manual crank system
- Streamline PE head and foot board is quickly detachable for CPR
- Frame made of epoxy-coated Steel
- Cold steel plate whole molding aperture clashing bed plate .Connected with arc PE plastic soft join.
- Four castors with central brake systems.
- 4 pieces of ABS bed rails, easy lift and laid down
- Weight capacity: 250 Kg
- Angle of back section: 0 ~ 80° (±5°)

- Angle of leg section: 0 ~ 40° (±5°)
- Adjustable height: 450-720mm

3- Bed side locker

Bed side cabinet made out of ABS Material with making colour with beds of size Size 480x480x820mm with Standard Device & 2 pcs towel stands ,4 Pcs oddment hooks1 pc 1water bottle stand, Optional choose: 4pcs 2" castors

4- Mattress

- Cover: Water-proof cloth
- Interior: Machine-pressed palm and hing density sponge
- thickness 70mm
- Color :dark blue

5- Crash cart cum medical trolley

- Size: 850x520x1010mm
- Material:aluminum-alloy, ABS and stainless steel .
- Including 5 layers of drawers,2 small size(70mm in height),2 medium size(140mm in height)and 1 large size(210mm in height);
- drawers mainly consist of top panel board,frame and plastic medicine tray(adjustable);
- other components:2 litter buckers,1 syringe disposal,1 adjustable board,1 transparent file box,1 oxygen cylinder holder,1 power oulet,1 instrument holder and 1 I.V.Pole

6- Record clip trolley

- Single –Copy Medical Record Cart Structure and Configuration:
- All stainless steel and ABS structure with silent wheels, locks and drawers
- Specifications :25 Shelves (piece) Size: L405xW405xH1015mm

7- Kick bucket, Transfer stretcher, Trolleys, stands, Over bed table, Medical screen etc.and all miscellaneous appliances required in CCU - As per industry standards. Items will be supplied only after acceptance and approval from the purchaser.

C) CCU Training Simulators supply and installation

S.No.	Item	Quantity
1	Full body Manikin for CPR AED Training with real time feedback	1
2	AED Training with CPR System	1

Specifications for Full body Manikin for CPR AED Training with real time feedback

The manufacturer should have an office in India to support the product training and provide a continuous hand holding support on the training simulator

The Adult CPR manikin with real time feedback shall have following features :

1. Airway must open/close by the following procedures when they are performed correctly as taught according to ILCOR guidelines :
   - Head tilt
   - Chin lift
   - Jaw thrust
2. Ventilation of the manikin must be possible through the following procedures:
   - Mouth to mouth
   - Mouth to nose
   - Mask to mouth (both Pocket Mask and Bag-Valve Mask (BVM))
3. The manikin must show a realistic chest rise during ventilation
4. The student must be provided correct feedback for either normal ventilation volumes or for volumes when supplementary oxygen is provided based on the ILCOR guidelines
5. Stomach insufflations should be indicated as too rapid inflation
6. Removal and replacement of lungs and face skin must be easy without use of tools.
7. Ears must be visible as a landmark for correctly aligning the head in order to apply a cervical spine extrication collar.
8. The manikin must be equipped with a bilateral carotid pulse.
9. The manikin must be equipped with means of providing feedback on performed CPR through hand held wireless touch screen color LCD device
11. Should have simple, non-articulated arms and legs.
12. CE/FDA certification for the proposed simulator.

AED Training with CPR System

- The manufacturer should have an office in India to support the product training and provide a continuous hand holding support on the training simulator
- The manikin shall have a removable full-face mask made of polyvinylchloride (PVC) & a soft nose that can be occluded using the nose pinch technique.
- The manikin shall have patent nasal passages, open oral passage that leads to the lower airway.
- The manikin shall have an articulating jaw to facilitate a modified jaw thrust maneuver & a jaw thrust technique to open the airway.
- The manikin shall be able to facilitate a head tilt/chin lift technique to open the airway.
- The manikin shall have a disposable lower airway & should have a one-piece rib/stomach plate that can facilitate abdominal thrusts.
- The manikin shall have a removable compression spring & a compression clicker that provides audible feedback which can also be turned on and off without dismantling the manikin.
- Shall be supplied with standard with a carry case that also serves as a padded training mat and a must include a zippered jacket.
- Communication between the manikin and AED Trainer will allow the trainer to respond appropriately based on proper vs. improper pad placement.
- LED's in the chest skin will illuminate to confirm proper AED Trainer pad placement when used with the suitable AED Trainer.
- The AED Training System must contain an AED Trainer, CPR-AED training manikin, and remote control
- The AED Trainer must resemble a realistic automated external defibrillator & must be preprogrammed with 10 scenarios & should have clear, audible voice prompts
    - The speaker volume must be adjustable with or without the optional remote control and must include a soft carry case
    - Optional Programming Kit must be able to change the AED Trainer default settings
    - The unit must be powered by 6 C-cell batteries contained in a battery case simulating actual AED battery
    - The AED Trainer must contain a status display window that can be manually changed by the instructor and a LED display indicating selection of volume level and scenario chosen
    - The AED Trainer must simulate the following conditions in preprogrammed scenarios and be able manually override them with the remote control
    - Artifact motion
    - Poor pad placement

- Correct pad placement
- Shockable rhythm
- Non-shockable rhythm
- Low Battery
- Replace Battery
- Error Condition

Remote Control must allow user to select preprogrammed and systemized scenarios, adjust the AED Trainer volume, illuminate the LED's in the AED chest skin, and manually override or run scenarios activating the conditions listed.

- When used with standard pads, the AED Trainer must be able to be used with any CPR manikin
- When used with Link Training Pads and the Manikin, the AED Trainer must not enter simulated analyze mode until pads are properly placed on the manikin and the pads connector is properly connected to the AED Trainer.
- IF the Link Training Pads are not properly placed on the AED manikin chest skin, the AED Trainer will respond with a "Place electrodes on bare chest" voice prompt and not enter simulated analyze mode.

Technical Evaluation

Detailed evaluation of the Proposals would be carried out in order to determine whether the technical aspects are in accordance with the requirements set forth in the tender documents. Government will examine and compare the technical aspects of the Proposals on the basis of the information supplied by the Bidders, taking into account the following factors:

(a) Overall completeness and compliance with the requirements specified in the tender document. The Proposal that does not meet minimum acceptable standards of completeness, consistency and detail will be rejected taking it as non-responsiveness.

(b) Working methods, project plans and the solution design offered in the proposal shall demonstrate that the Bidder will achieve the performance standards within the time frame described in the tender documents.

(c) Any other relevant factors, if any, listed in the bid document, or that deems necessary or prudent to take into consideration.

The evaluation criteria of the Technical Proposal are given below

S. No.	Criteria	Description
1	**Qualification criteria**	The bids will be evaluated for compliance to the qualification requirements and documents submitted against each criteria. **Response expected: Form T2**
2	**CCU Interior Work**	
2a	Proposed CCU interiors solution	The bidders should propose state of art CCU interiors solution. The proposed solution will be evaluated for its suitability, advantages and compliance with the prescribed norms and CCU room layout. Also, minimum specifications of the CCU interior works have been provided in the tender document. **Response expected: Form T5**
2a	Compliance to the minimum specifications specified in the tender document	The bidders are expected to propose state of art solutions for the CCU interior work. They should comply with the minimum specified features and specifications of the interior work in this tender document. **Response expected: Form T6 to be completed.**
2b	Compliance to the room layout	The bidder should study the CCU room layout and should provide their designs and solutions accordingly. **Response expected: Form T5**
2c	Compliance to safety requirements	The bidder should propose and explain working methodologies that are compliant with the safety standards at work. **Response expected: Form T5 to be completed**
3	**Equipment Supply and installation**	The bidder shall quote for all the CCU equipment as mentioned in the requirements section. All the

		equipment proposed by the bidder should comply 100% with all the specifications as mentioned in the tender document. All the service and warranty conditions shall also be complied. **<u>Response expected:</u> Form T7 to be filled accordingly.**
4	**CCU furniture supply and installation**	The bidder shall quote for all the CCU furniture as mentioned in the requirements section. All the equipment proposed by the bidder should comply 100% with all the specifications as mentioned in the tender document. All the service and warranty conditions shall also be complied. **<u>Response expected:</u> Form T8 to be completed.**
5	**OEM Support and Authorization**	The bidder should submit OEM support and authorization related documents. **<u>Response expected:</u> Form T10 and T11 to be completed.**
6	**Compliance to specifications and tender terms**	The bidder should not show substantial deviation from the specifications of various items and works stated in the tender. The bidder should also accept all tender terms and conditions. **<u>Response expected:</u> Form T12 and T13 to be completed.**
7	**Project Plan**	The bidder should submit a detailed project plan to ensure completion within the prescribed timelines in this tender. **<u>Response expected:</u> Form T9 to be completed.**

The technical bids submitted by the bidder will be evaluated against the technical criteria as specified above. **The bidders are therefore, required to submit their technical bids**

strictly as per the technical forms T1 to T14. Any non-compliance or non- submission of any of the forms in the format of submission of bids may cause rejection on the bids.

- **Commercial Evaluation**

In evaluating the Financial Proposal, the government will determine for each proposal, the Proposal Offer by adjusting the Proposal Costs and Payments as follows:

i. Making any correction for errors

Evaluation of Financial Proposal shall include the following:

i. Check for completeness of Financial Proposal

ii. Total cost as indicated by the bidder in the financial forms

iii. Compliance to all the bidding conditions as specified in the tender document

The government reserves the right to negotiate the terms of the services and/ or the 'Payments' with the successful Bidder prior to award, at its sole discretion.

- Forms and Templates for Bid response

The bidders are expected to respond to the bid using the forms and templates given in this section

- **Technical Bid**

Technical Bid shall comprise of following forms:

Form T1: Technical Bid Compliance Sheet
Form T2: Qualification Criteria Compliance Sheet
Form T3: Covering Letter for Technical Bid
Form T4: Bidder Profile
Form T5: CCU Interiors Solution Description
Form T6: CCU Interiors Specification Compliance
Form T7: CCU Equipment Specification Compliance

Form T8: CCU Furniture Specification Compliance

Form T9: Implementation Schedule

Form T10: OEM Authorization Form

Form T11: OEM Support Form

Form T12: Deviation from requirements specification

Form T13: Deviation from Tender terms and conditions

Form T14: Warranty

Form T 1

Technical Bid Compliance Sheet (with respect to Technical Evaluation)

S. No.	Criteria	Documents submitted	Compliance (Y/N)
1	**Qualification criteria**		
2	**CCU Interior Work**		
2a	Proposed CCU interiors solution		
2b	Compliance to the minimum specifications specified in the tender document		
2c	Compliance to the room layout		
2d	Compliance to safety requirements		
3	**Equipment Supply and installation – Compliance to Technical Specifications**		
4	**CCU furniture supply and installation - Compliance to Technical Specifications**		
5	**OEM Support and Authorization**		
6	**Compliance to specifications and tender terms**		
7	**Project Plan**		

Form T 2

Qualification criteria Compliance Sheet

S.No	Qualification Criteria	Required details	Compliance
1.	The manufacturer/authorized representative should have supplied 100% of the mentioned quantity of equipment	b) Undertaking and list of clients where the mentioned quantity has been supplied	Yes/No
2.	The bidder should not be blacklisted by any government organization	a) Undertaking on the letterhead	Yes/No
3.	The bids must be accompanied by the bid security (EMD)	a) Demand draft from any nationalized bank	Yes/No
4.	Power of attorney for the bid signatory	a) Power of attorney for the bid signatory	Yes/No
5.	Documentary evidence for the constitution of the firm	a) MoA of the firm b) Certificate from RoC	Yes/No
6.	VAT registration and clearance certificate	a) VAT registration certificate b) Latest return / Undertaking on letterhead	Yes/No

Form T 3

Covering Letter for Technical Bid

Date: dd/mm/yyyy

To,

CHIEF MEDICAL AND HEALTH OFFICER.NCD -NPCDCS PROGRAMME

Raipur Chhattisgarh

Reference: Tender Number ……. Dated ……

Sir,

We hereby declare:

i. We are the authorized agents of the manufacturers of the CCU equipment proposed in our solution.
ii. That we / our principals (manufacturer) are equipped with adequate maintenance and service facilities within India for supporting the offered equipment. Our maintenance and service facilities are open for inspection.

We hereby offer to supply the equipment and provide the services at the prices and rates mentioned in the attached commercial bid.

In the event of acceptance of our bid, we do hereby undertake that:

i. To supply the equipment as stipulated in the schedule of delivery forming a part of the attached technical bid.
ii. To undertake the project on a turnkey to include the interior design and construction work of the CCU
iii. We affirm that the prices quoted are inclusive of delivery, installation, and commissioning charges and all sales/service taxes. (Octroi and any local levies will be charged on actual on submission of proof of remittance.)

We agree to abide by our offer for a period of 180 days from the last date of submission of commercial bid and that we shall remain bound by a communication of acceptance within that time.

Bid Security in the form of a Bank Guarantee issued by _____ (bank), valid till ___/___/_____ (dd/mm/yyyy), for an amount of **INR 1,00,000** is enclosed.

We have carefully read and understood the terms and conditions of the tender and the conditions of the contract applicable to the tender. We do hereby undertake to provision as per these terms and

conditions.

i. The deviations from the requirement specifications of tendered items and schedule of requirements are only those mentioned in our response

   OR *(Strike out whatever is not applicable)*

   There are no deviations from the requirement specifications of tendered items and schedule of requirements.

ii. The deviations from the terms and conditions of the tender are only those mentioned in our response

   OR *(Strike out whatever is not applicable)*

   There are no deviations from the terms and conditions of the tender.

We do hereby undertake, that, until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and notification of award of contract, shall constitute a binding contract between us.

	Signature of Bidder (with official seal)
Date	
Name	
Designation	
Address	
Telephone	
Fax	
E-mail address	

Form T4

Bidder Profile

Bidder Profile		
1.	Name & Address Of The Bidder	
2.	Location of Corporate Head Quarters	
3.	Country of Incorporation	
4.	Details of Contact person (Name, designation, address etc.) Telephone Number Fax Number e-mail	
5.	Is the firm a registered company? If yes, submit documentary proof.	
6.	Is the firm registered with sales tax department? If Yes, submit valid sales tax registration certificate.	
7.	List of offices	

Form T5

CCU Interiors Solution Description

Technical Solution of the CCU Interiors
The Bidder shall provide their understanding of the scope of the project and the CCU requirements. They shall submit – **1)** Detailed drawing of their proposed CCU solution **2)** Description of the proposed interiors **3)** Purpose of the design **4)** Advantages **5)** Compliance to CCU standards **6)** Bill of materials **7)** Implementation methodology **8)** Compliance to safety standards

Form T6

Compliance to minimum CCU interiors specifications

Please fill the following BOM for all components in separate tables. Missing any of the components shall be treated as non-compliance to the technical requirements and may cause rejection of the bids.

1) Component 1:

S.No.	Component (with details about brand, make and model)	Detailed Specification Reference**	Offered Specifications	OEM	Compliance	Details of deviation
1.	Eg – CCU bed head panel, antistatic flooring, wall covering etc.	Fill in the minimum specifications as mentioned in the tender document.	Fill in the offered specifications against the specified specifications in the tender document.			

** Please attach detailed specifications and provide reference number in this column. (Any deviations should be appropriately mentioned in the deviation table provided.)

Documents attached

Detailed manuals and data sheets of the products to verify the specification compliance.

Form T7

Compliance to specification of the CCU equipment

Please fill the following for all the CCU equipment in separate tables. Missing any of the equipment shall be treated as non-compliance to the technical requirements and may cause rejection of the bids.

1) Equipment 1:

S.No.	Component (with details about brand, make and model)	Detailed Specification Reference**	Offered Specification	OEM	Compliance	Details of deviation
1.	Eg – Monitor, Ventilator, etc.	Fill in the minimum specifications as mentioned in the tender document.	Fill in the offered specifications against the specified specifications in the tender document.			

** Please attach detailed specifications and provide reference number in this column. (Any deviations should be appropriately mentioned in the deviation table provided.)

Documents attached

Detailed manuals and data sheets of the products to verify the specification compliance.

Form T8

Compliance to specification of the CCU furniture

Please fill the following for all the CCU furniture in separate tables. Missing any of the item shall be treated as non-compliance to the technical requirements and may cause rejection of the bids.

1) Item 1:

S.No.	Component (with details about brand, make and model)	Detailed Specification Reference**	Offered Specification	OEM	Compliance	Details of deviation
1.	Eg- Bedside locker, medicine trolley etc.					

** Please attach detailed specifications and provide reference number in this column. (Any deviations should be appropriately mentioned in the deviation table provided.)

Form T9

To,

CHIEF MEDICAL AND HEALTH OFFICER.NCD -NPCDCS PROGRAMME

Raipur Chhattisgarh

Implementation Schedule (Project Plan)

S.No.	Activity	Time Frame for completion from the Date of Contract Assignment
1	Equipment Supply	
2	Equipment Installation	
3	Material delivery for the CCU interiors	
4	Activity 4	
5	Activity 5	
6	Activity 6	

The bidder should list down all the activities, sub activities and provide time frame for their completion here.

Form T 10

Authorization Letters from OEMs

Date: dd/mm/yyyy

To,

CHIEF MEDICAL AND HEALTH OFFICER.NCD -NPCDCS PROGRAMME

Raipur Chhattisgarh

Reference: Supply of equipment for cardiac care unit at Raipur

Sir,

We _____, *(name and address of the manufacturer)* who are established and reputed manufacturers of _____ having factories at _____ *(addresses of manufacturing locations)* do hereby authorize M/s _____ *(name and address of the bidder)* to bid, negotiate and conclude the contract with you against the above mentioned tender for the above equipment manufactured by us.

Yours faithfully,

For and on behalf of M/s _____*(Name of the manufacturer)*

Signature _____

Name _____

Designation _____

Address _____

Date _____

Directorate Seal

Note: This letter of authority should be on the letterhead of the concerned manufacturer and should be signed by a person competent and having the power of attorney to bind the manufacturer.

Form T 11

OEM's Support Form

Date: dd/mm/yyyy

To,

CHIEF MEDICAL AND HEALTH OFFICER.NCD -NPCDCS PROGRAMME

Raipur Chhattisgarh

Reference: Supply of equipment for cardiac care unit at Raipur

Sir,

We _____, *(name and address of the manufacturer)* who are established and reputed manufacturers of _____ having factories at _____ *(addresses of manufacturing locations)* do hereby assure that our equipment will be supported and freely upgraded for the next two years.

Yours faithfully,

For and on behalf of M/s _____*(Name of the manufacturer)*

Signature _____

Name _____

Designation _____

Address _____

Date _____

Directorate Seal

Note: This letter of authority should be on the letterhead of the concerned manufacturer and should be signed by a person competent and having the power of attorney to bind the manufacturer.

Form T12

Statement of Deviation from Requirement Specifications

Date: dd/mm/yyyy

To,

CHIEF MEDICAL AND HEALTH OFFICER.NCD -NPCDCS PROGRAMME

Raipur Chhattisgarh

Reference: Tender Number ..... Dated .....

Sir,

There are no technical deviations (null deviations) from the requirement specifications of tendered items and schedule of requirements. The entire work shall be performed as per your specifications and documents. OR *(Strike out whatever is not applicable) Following* is the exhaustive list of technical deviations and variations from the requirement specifications of tendered items and schedule of requirements. Except for these deviations and variations, the entire work shall be performed as per your specifications and documents.

S. No.	Section No.	REQ No.	Page No.	Statement of deviations and variations
1.				
2.				

_____

Authorized Signatory

Name :

Designation:

Form T13

Statement of Deviation from Tender Terms and Conditions

Date: dd/mm/yyyy

To,

CHIEF MEDICAL AND HEALTH OFFICER.NCD -NPCDCS PROGRAMME

Raipur Chhattisgarh

Reference:

Sir,

There are no deviations (null deviations) from the terms and conditions of the tender. All the terms and conditions of the tender are acceptable to us.

OR *(Strike out whatever is not applicable)*

Following are the deviations from the terms and conditions of the tender. These deviations and variations are exhaustive. Except these deviations and variations, all other terms and conditions of the tender are acceptable to us.

S. No.	Section No.	Page No.	Para	Statement of deviations and variations
1.				
2.				

_____

Authorized Signatory

Name :

Designation:

Form T14

Warranty/Guarantee

To,

CHIEF MEDICAL AND HEALTH OFFICER.NCD -NPCDCS PROGRAMME

Raipur Chhattisgarh

We warrant that the equipment supplied under the contract are newly manufactured, free from all encumbrances, defects and faults in material or workmanship or manufacture, shall be of the highest grade and quality, shall be consistent with the established and generally accepted standards for materials of the type ordered, shall be in full conformity with the specifications, drawings of samples, if any, and shall operate as designed. We shall be fully responsible for its efficient and effective operation.

The obligations under the warranty expressed above shall include all costs relating to labour, spares, maintenance (preventive as well as unscheduled), and transport charges from site to manufacturer's works / service facilities and back for repair or modification or replacement at site of the equipment or any part of the equipment, which under normal care and proper use and maintenance proves defective in design, material or workmanship or fails to operate effectively and efficiently or conform to the specifications and for which notice is promptly given by the government to us. We shall provide on-site support for all the equipment and services supplied hereunder during the period of this warranty / guarantee for 3 years.

I / we / M/s _____ also hereby declare that

i. I / we do Accept / Agree for the warranty / guarantee for 3 years from the date of installation & commissioning and CMC for 5 years after expiry of warranty /guarantee as per this tender clause No. _____

ii. I / we will not charge / quote any extra price on account of the above said warranty / guarantee.

iii All losses due to defects resulting from faulty design, materials and workmanship during the warranty period shall be compensated by the our Firm/Company.

iv In case of any defects detected in items under warranty, the users shall notify procurement authority about the same. Procurement authority shall promptly notify the supplier in writing for any claims arising from such defects. If the defect is not rectified by the supplier within the specified time period, procurement authority shall take necessary actions to claim compensation at our firm/company name ..... own expense.

iv. I / we do accept / agree to provide uptime guarantee 95% as per this tender clause No. _____.

v. The 3 year warranty is valid from dt._____ to dt._____.

vi. The 5 year CMC is valid from dt._____ to dt._____.

Date: Signature of the competent authority

Place: on behalf of the company / firm.

Seal of the firm.

N.B: 1. To be attested by Notary Public

2. Only to be submitted by the approved supplier / tenderer to the consignee and a copy to the purchaser before release of payment.

3 At stamp paper Rs 50/-

_____

Authorized Signatory

Name :

Designation:

Financial Bid

Financial Bid shall comprise of following forms:

Form F1: Financial Bid Compliance Sheet

Form F2: Covering Letter for Financial Bid

Form F3: Statement of Commercial Deviation

Form F4: Financial bid format

Form F1

Financial Bid Compliance Form

S. No.	Particulars	Prescribed form	Compliance Yes/No
1.	Covering Letter for Financial Bid	Form F2	
2.	Statement of Commercial Deviation	Form F3	
3.	Financial bid	Form F4	

Form F 2

Bid Letter (Commercial) Template

Date: dd/mm/yyyy

To,

CHIEF MEDICAL AND HEALTH OFFICER.NCD -NPCDCS PROGRAMME

Raipur Chhattisgarh

Reference: Tender Number ……. Dated ……

Sir,

We hereby declare:

i. We are the authorized agents of the manufacturers of the CCU equipment proposed in our solution.
ii. That we / our principals (manufacturer) are equipped with adequate maintenance and service facilities within India for supporting the offered equipment. Our maintenance and service facilities are open for inspection.

We do hereby undertake that, in the event of acceptance of our bid, the supply of equipment and commencement of CCU interiors work shall be made as stipulated in the schedule of delivery forming a part of the attached technical bid.

In the event of acceptance of our bid, we do hereby undertake that:

i. To supply the equipment and commence CCU interiors work as stipulated in the schedule of delivery forming a part of the attached technical bid.
ii. We affirm that the prices quoted are inclusive of delivery, installation, and commissioning charges and all sales/service taxes. (Octroi and any local levies will be charged on actual on submission of proof of remittance.)

We agree to abide by our offer for a period of 180 days from the last date of submission of commercial bid and that we shall remain bound by a communication of acceptance within that time.

We have carefully read and understood the terms and conditions of the tender and the conditions of the contract applicable to the tender. We do hereby undertake to provision as per these terms and conditions.

i. The deviations from the requirement specifications of tendered items and schedule of requirements are only those mentioned in the technical deviation form

   OR *(Strike out whatever is not applicable)*

   There are no deviations from the requirement specifications of tendered items and schedule of requirements.
ii. The commercial deviations of tendered items are only those mentioned in F3.

   OR *(Strike out whatever is not applicable)*

There are no commercial deviations.

iii. The deviations from the terms and conditions of the tender are only those mentioned in technical deviation form

OR *(Strike out whatever is not applicable)*

There are no deviations from the terms and conditions of the tender.

We do hereby undertake, that, until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and notification of award of contract, shall constitute a binding contract between us.

	Signature of Bidder (with official seal)
Date	
Name	
Designation	
Address	
Telephone	
Fax	
E-mail address	

Form F 3

Statement of Commercial Deviation from Requirement Specifications

Date: dd/mm/yyyy

To,

CHIEF MEDICAL AND HEALTH OFFICER.NCD -NPCDCS PROGRAMME

Raipur Chhattisgarh

Reference: Tender Number ..... Dated .....

Sir,

There are no commercial deviations (null deviations) from the requirement specifications of tendered items and schedule of requirements. The entire work shall be performed as per your specifications and documents. OR *(Strike out whatever is not applicable)* Following is the exhaustive list of commercial deviations and variations from the requirement specifications of tendered items and schedule of requirements. Except for these deviations and variations, the entire work shall be performed as per your specifications and documents.

S. No.	Section No.	REQ No.	Page No.	Statement of deviations and variations
1.				
2.				

_____

Authorized Signatory

Name :

Designation:

Form F4

Financial Bid

S. No	Particulars	Price (INR)	Applicable taxes (VAT, service tax etc.)	Total (INR)
1	Bid price for supply and installation of CCU equipment **(A)**			
2	Bid price for design, procurement and completion of the CCU interiors **(B)**			
3	Bid price for the supply and installation of CCU furniture **(C)**			
	Total Pay outs	**A + B +C =**		**Grand total**

Note:

The final total price column should be inclusive of all duties and taxes.

Final price should be inclusive of installation, training, service support and warranty

Payment terms and Payment Mode

A) Payment Mode :

All payment to the contractor will be through Electronic Mode by direct transfer to

Bidder Bank Account.

Bidder needs to submit RTGS / NEFT mandate form duly attested by the bidder bank.

Bidder needs to submit a cancelled cheque for Electronic transfe

B) Payment Terms

Prior to initiating any payment, the bid winning bidder has to have an MoU (contract) signed with Purchaser.

i) No mobilization advances shall be paid.

ii) A) Payment against supply and installation of CCU equipment (A):

a. Delivery and Installation and commissioning in sequence of process of completion of CCU turnkey project : 80% of (A)

B) Payment against design, procurement and completion of CCU interiors:

a. Submission and acceptance of designs, drawings, bill of materials and implementation plan for the CCU interiors after certify by purchaser: 10% of (B)
b. Supply of materials and after 50 % of work certify by purchaser/government architect 30% of (B)
c. Supply of materials and after 50 % of work certify by purchaser/government architect 10% of (B)
d. Completion of interior construction activity: 30% of (B)

C) Payment against supply and installation of CCU furniture (C):

a. Delivery and Installation: 80% of (C)

D) Payment against supply and installation of Gas pipeline Work (D):

a. Delivery and Installation AND Commsioning of Gas pipeline Work: 80% of (D)

Annexure -I -EMD FOR CARDIAC CARE UNIT (CCU) – TURNKEY PROJECT

SN	Equipment Code	Name of Equipment	Department Name	Quantity required	EMD
1	NCD/CCU /EQP/0001	CARDIAC CARE UNIT -Turnkey Project	Dist. hospital	1	450000

ANNEXURE – III
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 ……., NCD-NPCDCS PROGRAMME, for the supply of ……... The approved rate will remain valid for a period of one year from the date of approval. I will abide with all the terms & conditions set forth in the tender paper 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 / part-supply / non-supply. I/We agree that the Tender Inviting Authority can forfeit the Earnest Money Deposit and or Security Deposit and blacklist me/us for a period of 5 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.

I / We further declare that I / We possess valid manufacturing license / authorized distributor bearing no. ……Valid upto……..…… I / We …… do hereby declare that I / we will supply the _____ as per the terms, conditions & specifications of the tender document. I / we further declare that I / we have a service centre / will establish a service centre within one month of installation of the equipment in Chhattisgarh.

Signature of the bidder:
Date :

Name & Address of the Firm:

ANNEXURE – IV

MANUFACTURER'S AUTHORISATION FORMAT

To
CMHO, NCD-NPCDCS PROGRAMME

Chhattisgarh, Raipur

Ref: _____.

Dear Sir,

We _____who are established and reputed manufacturer's of (name and description of items offered) having factories at (Address of Factory) do hereby authorize M/s (Name and address of Distributor / Agent) to submit a bid and sign the contract with you against the above referred tender. We also extend our full guarantee for the items quoted by M/s. _____ as per the terms and conditions in your tender under reference above.

Yours faithfully,

Name of the Manufacturer

(Signature with seal)

Note: This letter of authority should be on the letter head of the manufacturer and should be signed by a person competent and having the power of attorney to bind the manufacturer. It should be included in the bid submitted by the tenderer if the tenderer is not the manufacturer.

ANNEXURE - V
TOTAL TURNOVER CERTIFICATE
AFFIDAVIT

To
CMHO, NCD-NPCDCS PROGRAMME

Chhattisgarh, Raipur

We hereby certify that **M/s**_____ (the name of participant in the tender) who is participating the tender for supply of Medical equipments called by Chief Medical & Health Officer , NCD-NPCDCS PROGRAMME . Chhattisgarh, Raipur having their office at_____(Address of office)

has a sales turnover given as below :-

Turnover in the year of 2011-2012. RS.

Turnover in the year of 2012-2013. RS.

Turnover in the year of 2013-2014. RS.

The above information is correct and true.

CHARTERED ACCOUNTANT

The document should be certified by the Chartered Accountant.

NOTE: The turnover of other than participant will not be accepted.

ANNEXURE - VI

Performa for Performance Statement
(Supplies within last 3 years)

Name of the Firm

Sl. No	Order placed by (Full Address of Purchaser) (1)	Order No. and Dated (2)	Description and Quantity of ordered equipment	Value of order	Date of Completion of delivery	Remarks indicating reasons for late delivery, if any	Has the equipment been satisfactorily functioning? (Attach a certificate from the Purchaser/Consignee in format enclosed)
1							
2							
3							
4							
5							

Signature and Seal of the Bidder.....

.....

Note: Format may be used in landscape, certificates from the purchasers in the format enclosed.

Enclosure to ANNEXURE - VI

To,

CMHO, NCD-NPCDCS PROGRAMME .

Chhattisgarh, Raipur

We hereby acknowledge that **M/s** …… (the name of participant in the tender) having their office at……..(Address of office) is associated with us Since……. They have supplied us ……. (Name of the equipment). We certify that the Equipment supplied and post supply service of the Agency is satisfactory.

Signature:
Seal

Note: This certificate should be in letter head of issuing agency.

ANNEXURE – VII
NON BLACK LISTED AFFIDAVIT

I / We …….having My / our office at ……. eat…….……

……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 / part-supply / non-supply of the article ……. (Equipment code and Name) I/We agree that the Tender Inviting Authority can forfeit the Earnest Money Deposit and or Security Deposit and blacklist me/us for a period of 5 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:
Date :

Name & Address of the Firm:

ANNEXURE – VIII

DETAILS OF THE BIDDER & 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 Chhattisgarh.
Name & Full Address		
Telephone Nos., Landline		
Mobile		
Fax		
E – Mail		
Date of Inception		
Manufacturing / Import License Nos. & Date		
Name of the issuing Authority		
License valid up to		

Signature of the Tenderer:

With seal

ANNEXURE – IX

PRODUCT SPECIFICATION

(To be uploaded in Cover A: Technical Bid)

Equipment Code:

Name / Description of Equipment:

A	B	C	D
Desired Specification of TIA	Manufacturer's Specification	Deviation	Remark

Note: This form is product / Equipment specific

- Desired Specification should be taken from Annexure – II (Specification of equipments)
- Manufacture / Bidder should quote their specification in Column 'B'.
- Column 'C' and 'D' should kept blank for evaluation purpose.

Signature and Seal of Bidder

Format may be used in Landscape.

ANNEXURE – X

(Refer Clause No. ITB 7, GCC 14, SCC 1,)

WARRANTY / GUARANTEE UNDERTAKING

(To be submitted on Rs.50/- stamp paper)

Tender ref. No. _____
Name of the equipment:
Date of Installation:
Name of the Consignee:
Name of the purchaser:

I / we / M/s _____ hereby declare that
i. I / we do Accept / Agree for the warranty / guarantee for 3 years from the date of installation & commissioning and CMC for 5 years after expiry of warranty /guarantee as per this tender clause No. _____
ii. I / we will not charge / quote any extra price on account of the above said warranty / guarantee.
iii. I / we do accept / agree to provide uptime guarantee 95% as per this tender clause No. _____.
iv. The 3 year warranty is valid from dt._____ to dt._____.
v. The 5 year CMC is valid from dt._____ to dt._____.

Date: Signature of the competent authority

Place: on behalf of the company / firm.

Seal of the firm.

N.B: 1. To be attested by Notary Public
2. Only to be submitted by the approved supplier / tenderer to the consignee and a copy to the purchaser before release of payment.

ANNEXURE – XI

UNDERTAKING

(To be submitted on Rs.50/- stamp paper)

Tender ref. No. _____ Due for opening on _____

Name of the equipment:

Date of Installation:

Name of the Consignee:

Name of the purchaser:

Sir,

I / we _____ hereby declare that

1. I / we am / are the manufacturers / authorized agents / distributors of_____.
2. I / we do accept / agree for the all clauses including the warranty 3 years followed by 5 years CMC and payment terms and conditions of this tender.
3. I / we do hereby confirm that the prices / rates quoted are fixed and are at par with the prices quoted by me / us to Govt. of India / any other state Govt. Hospitals / Medical Institutions. I / we also offer to supply the stores at the prices and rates not exceeding those mentioned in the price bid.
4. I / we agree to abide by my / our offer for a period of 365 days from the date of approval of the tender.
5. I / we have necessary infrastructure for the maintenance of the equipment and will provide all the accessories / spares as and when required (As per clause_____).
6. I / we also declare that in case of change of Indian Agent or for any other change, merger, dissolution solvency etc. in the organization of our foreign principles, we would take care of the Guarantee / warranty / maintenance of the machinery / equipment and have provided written confirmation for the same.
7. I / we shall provide assistance to the consignee in clearance and delivery of store at consignee's stores / premises.
8. The demurrage / storage charges, if any, payable to the customs department, due to non-receipt of required documents in time by the hospital / delay due to incorrect entries, mistakes to the documents etc. shall be borne by me / us.
9. I / we have carefully read and understood all the terms and conditions of the tender and shall abide by them.
10. I / we undertake to get the equipment's repaired within 7 days of receiving of the complaint from the indenting hospital / consignee failing which a penalty @ 0.5% of the performance security per day may be deducted from performance security deposited.

Signature of the witness

Name & address

Dated

Signature of the Tenderer

Name & address

Seal of the firm.

N.B: 1. To be attested by Notary Public.

2. Only to be submitted by the approved supplier, tenderer to the consignee and a copy to the purchaser before release of payment.

ANNEXURE – XII

(Refer Clause No. ITB 8.6, GCC 11)

UNDERTAKING FOR SUPPLY OF SPARE PARTS

(To be submitted on Rs.50/- stamp paper)

Tender ref. No. _____
Name of the equipment:
Date of Installation:
Name of the Consignee:
Name of the purchaser:

I / we / M/s _____ hereby Undertake that I / we will ensure Uninterrupted supply of adequate spares of …… …….) Name and code of Equipment) for at least a period of 10 years. In the event of termination of production of the spare parts, we shall give advance notification to the purchaser pending termination (not less than 2 years) and I/we shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Good. At any time we will provide the required spare parts within a maximum period of 15 days from the notification by the purchaser.

Date: Signature of the competent authority

Place: on behalf of the company / firm.

Seal of the firm.

N.B: 1. To be attested by Notary Public

2. Only to be submitted by the approved supplier / tenderer to the consignee and a copy to the purchaser before release of payment.

ANNEXURE - XIII

CONSIGNEE RECEIPT CERTIFICATE/ INSTALLATION REPORT

(To be given by consignee and the user of the item)

The following equipments has / have been received in good condition:

Name of item supplied	
Name of the Supplier / Manufacturer	
Quantity supplied	
Purchase Order reference no.	
Serial Nos of equipment supplied	
Name and Address of the Consignee along with tel. no. and fax no.	
Date of receipt by the Consignee	
Date of Installation	
Installation Location at Hospital.	
Accessories supplied and the serial numbers of Accessories	
Training satisfactorily completed Yes/No	
Name and Designation of Personnel trained.	
Date of commencement of warranty	
Date of expiry of warranty	
Stock Book page no. where the items have been entered	
Signature of Authorized Representative of Consignee with date	
Name and designation of the authorized Representative	
Seal of the consignee	

Note: In case of Hospital or for CHC PHC and SHC the Nodal officer (NCD) will in Incharge of the above concerned would be treated as consignee for recei.pt of Goods and the User are of the following Hospital ,CHC, PHC and SHC Medical Head incharge.

(Nodal Officer / Office In charge)

(UserDepartment)

ANNNEXURE – XIV
INFORMATION & INSTRUCTIONS
TO THE BIDDERS
FOR
CHHATTISGARH GOVERNMENT PROCUREMENT SYSTEM (CGPS)

Special Conditions & instructions for C- Government Procurement System (CGPS) as given in the subsequent pages will prevail over the conditions stated in the tender documents in the previous pages, wherever relevant and applicable.

1. **Registration of the Bidders on Chhattisgarh Government Procurement NCD-NPCDCSCMHO, NCD-NPCDCS PROGRAMME**

2. All the bidders in order to participate in the tenders floated using the Electronic Procurement System are required to be registered on NCD Cell ,Raipur

3. **Electronic Payment account:** For Submitting the bids Bidders are required to make payment for Bid Submission fee using the electronic payments gateway service/Demand Draft as mentioned in the payment modes. The bid submission fee is over and above the Tender Processing fee and EMD to be paid as per Cover 'A', while bid submission mannually

4. **Payment for submission of bids :** The tender documents may be downloaded directly by eligible Bidders. The Bidders are required to make the payment for bid submission through payment modes mentioned in *Point No. 3* above.

   The suppliers can submit the bids by making payment of submission fees using the service of the secure electronic payments gateway/demand draft, and should print out the system generated receipt if any for their reference which can be produced whenever required.

   Submission of bids, EMD and other documents will be governed by the time schedule given under "Key Dates" on the Procurement System portal for the particular tender.

5. **Tender Download:** Eligible Bidders can download the Tender Document

6. **Submission of actual bids:** Suppliers have to submit and sign their bids within the date and time as stated in the tender schedule (Key Dates). The bids of only the suppliers who have submitted their bid seals within the stipulated time, as per the tender time schedule (Key Dates), will be accepted by the system. A supplier who does not submit his bid seal within the stipulated time will not be allowed to submit his bid.

7. **Submission of Earnest Money Deposit:** The bidder will be required to submit their Tender processing fee and Earnest Money Deposit by way of E-transfer/Demand Draft to the Bank Account details as mentioned as per clause (iii) of Section 3 General Conditions of this tender document. In case the bidder is exempted from submitting EMD, the exemption certificate should be provided by the bidder. The Supplier will also provide scanned copy of EMD Transfer receipt along with other details during bidding under Cover A .

8. **Opening of Tender documents:** The authority receiving the tenders or his duly authorized officer shall first open the "Cover A" of all the bidders and check for the validity of Tender Processing Fee & EMD as required by NCD-NPCDCSCMHO, NCD-NPCDCS PROGRAMME. In case, the requirements are incomplete, the Technical Bid as submitted in Cover A of the concerned bidder received shall not be opened.

   The authority shall then open the tenders submitted by the suppliers through the NCD-NPCDCSCMHO, NCD-NPCDCS PROGRAMME before the purchase committee . In the event of a mismatch, the tender in question will be rejected after a due process of verification by NCD-NPCDCSCMHO, NCD-NPCDCS PROGRAMME.

9. **Fill Negotiated Rates:** The successful bidder may have to fill in Negotiated Rates if so required during this Process. In case of no negotiation or no change in rates successful bidders need to complete the Fill Negotiated Rates stage.

10. **Key Dates:** The suppliers are strictly advised to follow the tender schedule (Key dates) for their side of tasks and responsibilities to submit their bids, as the system is time and date locked.

    NOTE:

- Select the product for which bid to be quoted and calculate EMD.
- Make RTGS/DRAFT payment for EMD and Tender processing Fee
- Detail of RTGS/NEFT Payment :

Account Name :	**DISTRICT HEALTH SOCIETY NPCDCS**
Account No :	**SBI A/C NO.32500800863**
Bank Name :	**State Bank of India, Kutchery Branch, Raipur. CG**
IFSC/RTGS code:	**SBIN0003314**

Provide relevant documents in cover A and B (as indicated in ITB Clause 4 and SCC clause 14)

ANNEXURE – XV- Along with F1 –F4

FORMAT OF TABLES TO BE FILLED IN COVER B

Item wise price (Ultimate cost to purchaser)

Table C-1

Sl No.	Equipment Code	Equipment Name	No. of unit	Price/unit in figure (UCP)	Price/unit in Words (UCP)	Total Price in Figure

Note:

UCP: Ultimate cost to purchaser, it includes price of equipment, packing, transportation, incidental charges, all forms of taxes, installation - commissioning, turnkey, training and services within warranty period as described in tender conditions.

Cont...

Table C-2

Price Schedule for Medical Equipment along with Furniture

1	2	3	4	5 PRICE FOR EACH UNIT							6	7
Equipment Code.	Item Description	Quantity & Unit	Country of origin	Ex-factory Ex-warehouse Ex-showroom off-the shelf (a)	Excise duty if any (b)	Packing & forwarding (c)	Inland transport, Insurance, Handling, Installation ,Turn Key and Incidental costs incidental to delivery (d)	Incidental services as listed in clause 6 of SCC (e)	Customs duty (f)	CST/ VAT/ Sales/ Octrai duty and other taxes payable if contract is awarded (g)	Unit price a+b+c+d+e+f+g Ultimate Cost to Purchaser UCP/Unit	Total price per schedule for delivery at final destination (3 x 6)

Cont..

Item wise cost for CMC after warranty period.

Table C-3

S. No.	Equipment Code	Name of Equipment	CMC	
			Year	% of quoted price
1			1st	
			2nd	
			3rd	
			4th	
			5th	

ANNEXURE – XVI

FORMAT FOR SUBMITTING LIST OF ITEM WITH SCOPE OF WORK FOR WHICH BID IS QUOTED

Sl No.	Equipment Code	Name Of the Equipment	EMD
1			
2			
3			

Total EMD Paid:

UTR / RTGS/Draft Transaction No:

To be submitted in letter head of the bidder.