 महाराष्ट्र औद्योगिक विकास महामंडळ (महाराष्ट्र शासन अंगिकृत) तातडीची निविदा सूचना क्रमांक / ०४ / सन २०२०-२०२१	
अ.क्र.	कामाचे नांव
१	मे.मेल्ट्रॉन इमारतीमध्ये मओविम चिकलठाणा औद्योगिक क्षेत्र येथे कोविड-१९ रुग्णालय उभारण्यासाठी वैद्यकीय उपकरणांचा पुरवठा करणे, उभारणी करणे व कार्यान्वित करणे.

या वरील कामाकरीता योग्य त्या वर्गामध्ये नोंदणीकृत कंत्राटदाराकडून काम क्र. १ करीता ई निविदा बी-२ नमुन्यात मागविण्यात येत आहेत. मान्यताप्राप्त कंत्राटदारांना काम क्र. २ करीता दि. २१/०५/२०२० ते दि. २३/०५/२०२० दुपारी ३.०० वाजपर्यंत निविदा भरता येतील. तसेच प्राप्त निविदा उघडण्याची वेळ २३/०५/२०२० रोजी दुपारी ४.०० वाजता. याबाबतच सविस्तर माहिती महामंडळाच्या www.midcindia.org या संकेतस्थळावर उपलब्ध आहे. याबाबतीमधील माहितीसाठी भ्रमणध्वनी क्र.९०२१७५८१०७ वर संपर्क साधावा.

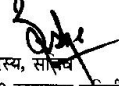
निविदा सूचना अगर निविदा सुचनेतील कोणताही भाग कोणताही पूर्व सूचना न देता रद्द करण्याचा अथवा राखून ठेवण्याचा तसेच सुधारणा करण्याचा हक्क खरेदी समितीने राखून ठेवला आहे.

-----निविदा सूचना संपली-----

प्रसिध्दीसाठीचे वृत्तपत्र: दै. पुण्यनगरी, (औरंगाबाद) आवृत्ती

प्रसिध्दीचा दिनांक: दि. २१ / ०५ / २०२०

जा.क्र./मुअओ/निविदा/बी-२१७१२ / सन २०२०,
कार्यकारी अभियंता यांचे कार्यालय,
स्थापत्य विभाग, मओविम, उद्योग शक्ती बिल्डिंग,
रेल्वे स्टेशन रोड, औरंगाबाद
दुरध्वनी क्र.०२४०-२३४२१८८.
दिनांक :- २० / ०५ / २०२०


 सदस्य, संचय
 कोविड-१९ रुग्णालय समिती,
 चिकलठाणा,

प्रत: - मुख्य जाहिरात व्यवस्थापक, दै. पुण्यनगरी, औरंगाबाद.

त्यांना विनंती करण्यात येते की, वरील जाहिरात हा महामंडळाच्या लोगोसह दोन कॉलम किंवा ८ से. मी. आकाराचा वापर करून ८ फॉन्टमध्ये तयार करून वरील वृत्तपत्रात कमीत कमी जागेत एकदाच प्रसिध्द करून वृत्तपत्रांचे कात्रणासह देयक, कार्यकारी अभियंता, मओविम, विभाग, औरंगाबाद यांना अदा करणेस्तव पाठवावे. सदरची जाहिरात शासनाचे DGIPR दराने प्रसिध्द करणे बंधनकारक राहिल. जाहिरात प्रसिध्द झालेल्या दिनांकाचे वृत्तपत्रांचे दोन अंक त्याच रोजी मुख्य अभियंता, मओविम परिमंडळ कार्यालय, औरंगाबाद यांचे कार्यालयात देणे बंधनकारक आहे.

प्रत: कार्यकारी अभियंता, मओविम, विभाग, औरंगाबाद यांना माहितीसाठी. त्यांनी सदरचे जाहिरातीसाठी प्राप्त झालेले देयक शासनाच्या DGIPR दराप्रमाणे असल्याची खात्री करून मगच ते अदा करावे. तसेच त्यांनी निविदा upload करण्याआधी सदरची निविदा सूचना वरीलप्रमाणे वृत्तपत्रात प्रसिध्द झाली असल्याची शहानिशा करावी.

COVID-19 HOSPITAL COMMITTEE, MIDC, AURANGABAD

Tender No. _____ / 2020

Dated: 21/05/2020

DETAIL TENDER NOTICE

1.	Tender call for	Supply of Equipments, Furniture and Fabric at Covid-19 Hospital at Meltron Building, MIDC Chikalhana Industrial Area, Aurangabad
2.	Date of Tender call.	21/05/2020
3.	Last date and time for submission of Tender	23/05/2020 up to 03.00 pm
4.	Mode of submission of Tender	Hard copy only (Technical & Price Bid)
5.	Date and time of opening of Tender	23/05/2020 at 04.00 pm
6.	Venue of opening of Tender	Office of the Regional Officer, MIDC, Udyog Vardhini Building, Near Railway Station, Aurangabad
7.	Contact Details	Member Secretary, Kovid-19 Hospital Committee, Aurangabad, Mob No. 9021758107

Sealed Tender in prescribed format are invited in hard copy from the reputed organization/Bidder for Supply of Equipments, Furniture and Fabric at Covid-19 Hospital at Meltron Building, MIDC Chikalhana Industrial Area, Aurangabad as per the specifications at Annexure – 1 of this Tender of Covid-19 Hospital

Member Secretary
Covid-19 Hospital Committee
Aurangabad

Tender Terms and Conditions

1. Tender document can be downloaded from the website www.midcindia.org
2. Tender should be submitted separately for Technical and Commercial Bid in separate 2 packed and sealed envelopes and both these envelopes should be packed and sealed in third envelope and to be submitted at the Office of the Regional Officer, MIDC, Udyog Vardhini Building, Near Railway Station, Aurangabad before the time schedule in hard copy only. Tender name should be marked on each envelope and should be marked as Technical Envelope and Commercial Envelope.
3. Tender should be type written/Computerized. Corrections, if any should invariably be attested with signature by the Bidder with date before submission.
4. Tender form fees of Rs. 2000/- and Earnest Money Deposit (EMD) of Rs. 2.00 Lacs in the form of Demand Draft drawn from any Nationalized/Schedule Bank in the name of Executive Engineer, MIDC, Civil Division, Aurangabad should be submitted along with Technical Bid failing which its Tender will be rejected as non-responsive.
5. Tender form fee is non-refundable.
6. EMD of the unsuccessful Bidder shall be returned after contract is awarded to successful Bidder without any interest. EMD of successful Bidder shall be returned after receipt of Performance Security.
7. The Performance Security of Rs. 2% of contract value in the form of Bank Guarantee or Demand Draft from any nationalized/scheduled Bank valid for 12 months has to be submitted by selected Bidder in the name of Executive Engineer, MIDC, Civil Division, Aurangabad. Performance Security shall be released after successful completion of warranty period.
8. Successful Bidder shall be selected on Quality and Cost Based Selection (QCBS) method.
9. Rates once approved should remain valid for 12 months. Bidder has to quote rates for per unit and for total quantity inclusive of all the taxes, transportation, loading, unloading, and installation for all the items. Any

additional quantity, if required during the validity period of 12 months has to be supplied in the per unit approved rate only.

Any statutory increases or decreases in an Act of State or the Central Government relating to **G.S.T. and other taxes** shall be borne by the Bidder.

10. Warranty of all the Equipment should be minimum 12 months from the date of installation. A declaration on the letter head of the Bidder should be submitted in the Technical Bid.
11. All the Equipment should be supplied and installed within 15 days from the date of work order. In case of delayed delivery against an order placed after Acceptance of Tender the Covid-19 Hospital Committee reserves the right to impose penalty of maximum 0.5% per week of the value of the delayed supplied items.
12. Without prejudice to the foregoing rights, if such failure to deliver in stipulated time as aforesaid shall have arisen from any cause, which the Covid-19 Hospital Committee may admit as a reasonable ground for an extension of the time (and his decision shall be final), he may allow such additional time considering the circumstances of the case, which are justified. However, the decision taken by the Covid-19 Hospital Committee will be final.
13. The authority has rights to reject or accept all or any of the Tender without assigning any reasons thereof.
14. Payment terms: Bidder has to supply all the Equipments as per the supply schedule. After successful installation of all the Equipments, Bidder has to submit invoice along with the supply and installation certificate issued by the competent authority of Hospital. 90% payment shall be done within 7 days from the receipt of invoice along with the supply and installation certificate issued by the competent authority of Hospital and 10% payment shall be done after 3 months.
15. Bidder to get acquainted himself by visiting the site before quoting his offer.
16. Selected Bidder shall get approval from Covid-19 Hospital Committee for the company make and Quality of every item before supply.
17. No information related to Price bid should be furnished / disclosed in the Technical Envelope otherwise the Bid shall be disqualified.

18. In the event of the order being placed on the successful Bidder and if the Bidder fails to supply any item according to specifications or the terms and conditions of Acceptance of Tender or fails to replace any items rejected by the Covid-19 Hospital Committee. Or by any person on his behalf within such time as may be stipulated, the Covid-19 Hospital Committee, reserves the right to purchase such items from any other sources and at such price as the Covid-19 Hospital Committee shall in his sole discretions thinks fit.

If action as stipulated above is taken:-

- (i) The offer of the defaulting contractor will not be considered.
- (ii) The defaulting contractor will be penalized to the extent of the differences in the rates or 10% of the value of the earlier orders whichever is higher.
- (iii) If the defaulting contractor fails to pay the penalty he will be black-listed and his EMD will be forfeited.

Member Secretary
Covid-19 Hospital Committee
Aurangabad

Profile of the Bidder
(On Letter Head and to be submitted in Technical Bid)

Name of the Bidder			
Type of firm			
Name of the Directors/Proprietors			
Name of Authorised Signatory for signing the bid.			
Registered office Address			
Year of Establishment			
Telephone Number(s)			
E-mail Address/website			
Mobile Number of authorised signatory			
Registration Number under Indian Companies Act, 1956			
G.S.T. Registration number			
Annual Turnover	Assessment Years	Amount in Crores	Audited Yes/No
	2016-17		
	2017-18		
	2018-19		
Average Annual Turnover			

Bidders signature and stamp

Qualification Criteria and Documents to be submitted by the Bidder in the Technical Bid

The minimum eligibility criteria that should be satisfied by the Bidder are mentioned below. All the documents should be self attested by the Bidder.

S. No.	Criteria	Supporting Document
1.	The Bidder should be registered company/firm/Corporate Society under the companies act, 1956	Copy of Certificate of Incorporation/Shop Act, PAN card and GST Certificate. Partnership Deed in case the Bidder is Partnership firm.
2.	The Bidder should be in existence for minimum of 3 years in India.	Copy of Certificate of Incorporation/Shop Act.
3.	The average annual turnover of the Bidder should be Rs. 5.0 Crores or more in supplying items/providing services during the last three financial year i.e. FY 2016-17, 2017-18, 2018-19	Audited Balance sheet and Profit & Loss account statement of the Bidder for each of the last three audited financial years i.e. FY 2016-17, 2017-18, 2018-19. Certificate duly signed by Statutory Auditor of the Bidder or Certified Chartered Accountant for Average Annual Turnover in supplying items \providing services during the last three financial year i.e. FY 2016-17, 2017-18, 2018-19
4.	The Bidder should have at least 3 years of experience in supplying items/providing services to Government/Semi Government in India	Work Order/Contract documents or Completion Certificate of at least three years.
5.	The Bidder, in last three financial year i.e. FY 2017-18, 2018-19 2019-2020 should have experience of at least One (1) project with project value of at least 5 Crore in supplying items/providing services to Government/Semi Government in India.	Work Order/Contract documents or Completion Certificate of last three financial year i.e. FY, 2017-18, 2018-19, 2019-2020. The supporting documents shall mandatorily mention the value of project and duration of the contract.

6.	The Bidder should not be black-listed and/or barred by any State or Central Government / Government undertaking or by any of the competent courts, in India, for any default at the time of submission of bid against this Tender.	Self-Declaration on company letter head duly signed by the Authorized Signatory of the bidder.
7.	The Bidder should have a positive net-worth (measured as paid up capital plus free reserves/capital of partners or capital of proprietor) of at least 50.00 Lacs in the last audited financial year i.e. FY, 2018-19.	Audited Balance sheet and Profit & Loss account statement of the Bidder for the last audited financial year i.e. FY 2018-19. Certificate duly signed by Statutory Auditor of the Bidder or Certified Chartered Accountant for positive net-worth (measured as paid up capital plus free reserves/capital of partners or capital of proprietor) of at least 50.00 Lacs in the last audited financial year i.e. FY 2018-19
8.	Should have valid ISO 9000 certificate	Valid ISO 9000 Certificate.
9.	Power of Attorney	The original Bid will be signed by a Bidder person duly authorized to bind the Bidder to the Contract. A letter of authorization in the name of the person signing the Bid shall be supported by a written Power-of-attorney on Bidder's letter head.
10.	Acceptance of Terms and Conditions of Tender.	Declaration on Bidder's letter head for acceptance of Terms and Conditions of Tender.
11.	Approach and Methodology and understanding of project.	Documents for Approach and Methodology and understanding of project.

All the Bidders shall be evaluated for the above Qualification Criteria. It is mandatory to submit all the supporting documents duly signed and stamped by authorized person of the Bidder. If any document found missing, that Bidder shall be disqualified from the further evaluation of the Bid.

Bidders who meet the Qualification Criteria would be considered as qualified to move to the next stage of Technical and Commercial evaluation. Following Criteria shall be used to evaluate the Technical Bid for assessing the Technical score.

S.N.	Criteria	Basis of Valuation	Maximum Marks	Supporting Documents
1.	Turnover of Bidder during the last 3 financial years (Average of turnover in FY 2016-17, FY 2017-18 and FY 2018-19)	<p>≥ 5 Crores and < 6.50 Crore : 5 Marks</p> <p>≥ 6.50 Crores and < 8.00 Crore : 10 Marks</p> <p>≥ 8.00 Crores : 15 Marks</p>	15	<p>Audited Balance sheet and Profit & Loss account statement of the Bidder for each of the last three audited financial years i.e. FY 2016-17, 2017-18, 2018-19.</p> <p>Certificate duly signed by Statutory Auditor of the Bidder or Certified Chartered Accountant for Average Annual Turnover in supplying items/ Providing Services during the last three financial year i.e. FY 2016-17, 2017-18, 2018-19</p>
2.	Experience of one large project in supplying items \providing services to Government/Semi Government in India during the last three financial year i.e. FY 2017-18, 2018-19 2019-2020	<p>≥ 5.0 Crores and < 7.5 Crores : 5 Marks</p> <p>≥ 7.5 Crores and < 10.0 Crores : 10 Marks</p> <p>≥ 10.0 Crores : 15 Marks</p>	15	<p>Work Order/ Contract documents/ Completion Certificate or certificate of CA mentioning work done for any specific govt. project for supply of items/providing of services during the last three financial year i.e.</p>

				FY 2017-18, 2018-19 2019-2020. The supporting documents shall mandatorily mention the value of project and duration of the contract.
3.	Positive net-worth (measured as paid up capital plus free reserves/capital of partners or capital of proprietor) of at least 50.00 Lacs in the last audited financial years year i.e. FY 2018-19	<p>\geq 50.00 Lacs and $<$ 75.00 Lacs : 6 Marks</p> <p>\geq 75.00 Lacs and $<$ 100.00 Lacs : 8 Marks</p> <p>\geq 100.00 Lacs : 10 Marks</p>	10	<p>Audited Balance sheet and Profit & Loss account statement of the Bidder of the last audited financial year i.e. FY 2018-19.</p> <p>Certificate duly signed by Statutory Auditor of the Bidder or Certified Chartered Accountant for positive net-worth (measured as paid up capital plus free reserves/capital of partners or capital of proprietor) of at least 50.00 Lacs in the last audited financial years year i.e. FY, 2018-19</p>
4.	Number of projects executed in supplying items/Providing services to Government/Semi Government in India during the last three financial year i.e. FY 2017-18, 2018-19 2019-2020	<p>1 project : 3 Marks</p> <p>2 – 5 projects : 5 Marks</p> <p>$>$ 5 projects : 10 Marks</p>	10	Work Order/ Contract documents or Completion Certificate of last three financial year i.e. FY, 2017-18, 2018-19, 2019-2020.

6.	Approach and Methodology and understanding of project	Covid-19 Hospital Committee shall decide the Marks	50	Bidder's document submitted in Technical Bid for overall understanding of project, Approach and Methodology for execution of entire project.
----	---	--	----	--

Bid Opening and Evaluation Process**Bid Evaluation Committee**

- i. The Bid Evaluation Committee constituted by the Covid-19 Hospital shall evaluate the bids. Hereafter referred to as Covid-19 Hospital Committee.
- ii. The Bid Evaluation Committee shall evaluate the Tender fees, EMD, Qualification criteria, technical Proposal (Envelope A) and Commercial Proposal (Envelope B) and submit its recommendation to Covid-19 Hospital Committee whose decision shall be final and binding upon the bidders.

Overall Evaluation process

- i. Bidders shall be evaluated as per the Qualification criteria mentioned in the Tender. The bidder who fulfils all the Qualification criteria will qualify for further Technical Evaluation of the Tender.
- ii. Bidders with minimum technical marks of 70 out of 100 in technical evaluation will be considered to be eligible for financial evaluation.
- iii. Amongst the bidders who are considered for commercial evaluation, the bidder scoring the highest composite score will be awarded the work as bidder at the discretion of Covid-19 Hospital Committee.
- iv. The Covid-19 Hospital Committee reserves the right to accept or reject any or all bids without giving any reasons thereof.

Evaluation –Qualification Criteria

The Qualification criteria only of those Bidders, whose Tender Fee & EMD is in order, shall be considered. The Bidders will be assessed on the Qualification criteria defined in Qualification Criteria of this Tender.

Evaluation- Technical

The evaluation of the Technical Proposals will be carried out in the following manner:

- a. The Bidders' technical proposal will be evaluated as per the requirements and evaluation criteria as spelt out in Overall Evaluation process of this Tender. The Bidders are required to submit all required documentation in support of the evaluation criteria specified as required for technical evaluation.
- b. Proposal Approach and Methodology and understanding: The Committee, if required may invite each qualified Bidder to make a presentation to Covid-19 Hospital Committee as per their discretion.
- c. At any time during the Bid evaluation process, the Committee may seek oral / written clarifications from the Bidders. The Committee may seek inputs from their professional and technical experts in the evaluation process.
- d. The technically shortlisted Bidders will be informed of the date and venue of the opening of the Commercial Proposals through a written communication.

Technical Score: (X)

The bidder who secures maximum marks shall be given a technical score of 100. The technical scores of other Bidders for the project shall be computed as follows.

$$\text{Technical score of the Bidder} = 100 \times \frac{\text{Marks secured by the respective Bidder}}{\text{Highest Mark secured}}$$

For the project (X)

The score secured based on evaluation of the Technical Proposal as above shall be the Technical Score of the Bidder for the project being considered for evaluation (X).

Evaluation- Commercial**Commercial Score: (Y)**

The bidders shall submit their quote as per the format provided in Commercial Proposal.

The bidder with lowest financial offer will be given a financial score of 100. Financial offer means final grand total amount of the offer.

In cases of discrepancy between the prices quoted in words and in figures, higher of the two shall be considered. For any other calculation/ summation error etc. the bid may be rejected. The financial scores of other bidders for the project shall be computed as follows:

Financial score of the Bidder For the project (Y) = $100 \times \frac{\text{Lowest rate Quoted by the Bidder for the project}}{\text{Rate Quoted by respective Bidder for the project}}$

The marks secured as above shall be the Financial Score of the bidder for the project (Y).

Composite Score of the Bidders

Composite score of the Bidders for the bid shall be worked out as under:

Bidder	Technical Score (X)	Financial Score (Y)	Weighted Technical Score (70% of X)	Weighted Commercial Score (30% of Y)	Composite Score (D + E)
A	B	C	D	E	F

Special Conditions for Evaluation

The bidder shall be the agency securing the highest composite score in column ‘F’ above. However, in the event of two or more Bidders securing exactly the same composite score, then Covid-19 Hospital Committee reserves the right to:

- a. Declare the bidder whose technical score is highest, among the bidders who have secured exactly the same composite score as successful bidder, or
- b. Adopt any other method as decided by Covid-19 Hospital Committee

Award Criteria

Post the evaluation process indicated in Bid Opening and Evaluation process above, Covid-19 Hospital Committee will award the Contract to the Bidder who has the highest composite score as per the scoring scheme mentioned above.

Right to accept any Proposal and to reject any or all Proposals

Covid-19 Hospital Committee reserves the right to accept or reject any Proposal, and to annul the tendering process and reject all Proposals at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for Covid-19 Hospital Committee’s action.

Notification of Award

Covid-19 Hospital Committee will notify the Successful Bidder that its Proposal has been accepted by issuance of a Letter of Intent in writing.

Signing of Contract

After selection of Bidder, Covid-19 Hospital Committee shall have the right to annul the award in case there is a delay of more than 7 days in signing of Contract from the date of issue of Letter of Intent by Covid-19 Hospital Committee, for reasons attributable to the selected Bidder.

Performance Security

- a. The successful bidder shall at his own expense, deposit with Covid-19 Hospital, an unconditional and irrevocable Performance Security in the form of Bank Guarantee or Demand Draft in the name of Executive Engineer, MIDC, Civil Division, Aurangabad from any Nationalized/Scheduled bank, payable on demand (In Aurangabad), for the due performance and fulfillment of the contract.
- b. The Performance Security should be furnished within 2 Working Days from the date of issue of Letter of Intent and should be valid till 12 months from the date of signing of contract.
- c. This Performance Security will be for an amount Rs. 2% of the contract value. All charges whatsoever such as premium, commission, etc., with respect to the Performance Bank Guarantee shall be borne by the successful bidder.
- d. The Performance Security may be discharged/returned upon being satisfied that there has been due performance of the obligations of the successful bidder under the contract. However, no interest shall be payable on the Performance Security.
- e. Covid-19 Hospital Committee shall also be entitled to make recoveries from the Bidder's bills, performance Security, or from any other amount due to him, the equivalent value of any payment made to him due to inadvertence, error, collusion, misconstruction or misstatement.

Format for commercial proposal (Price Bid)

(To be submitted on the letterhead of the bidder)

Date:

To,
Covid-19 Hospital Committee
Office of the Regional Officer,
MIDC, Udyog Vardhini Building,
Near Railway Station,
Aurangabad – 431 001

Subject: Submission of Commercial proposal in response to the Tender for Supply of, Equipments, Furniture and Fabric at Covid-19 Hospital at Meltron Building, MIDC Chikalthana Industrial Area, Aurangabad

Dear Sir,

We hereby offer to Supply Equipments, Furniture and Fabric at Covid-19 Hospital at Meltron Building, MIDC Chikalthana Industrial Area, Aurangabad for the items and quantity mentioned in the Table – 1, as per terms and conditions as described in this Tender.

Unit rate quoted are inclusive of all the taxes, transportation, loading, unloading, and installation.

Table - 1

Sr No.	Name of Equipments, Furniture and Fabric	Quantity in Nos.	Unit Rate in INR	Total Amount
1	Bed simple+Matress+Pillow	250		
2	Saline Rod	100		
3	Bed Side locker	250		
4	Food Trolley	4		
5	Wheel Chair	4		
6	Drug Trolley	16		
7	Stretcher Trolley	2		
8	Bed screen fold with curtain	20		
9	Crash Cart	1		
10	Beds with two movements	6		

11	Linen Trolley	4		
12	Refrigerator 2 degree to 8 Degree	2		
13	Laboratory Freezer -20 degree Vertiv	1		
14	Monitors	6		
15	ECG Machine	2		
16	Defibrillators	1		
17	Nebulizer	2		
18	Suction Machine	2		
19	B.P Instrument	10		
20	Weighing Machine	2		
21	IR Thermometer	20		
22	Stethoscope	10		
23	X-ray View box	10		
24	ECG MachineTrolley	2		
25	X Ray Mobile	1		
26	CR System+ Printer	1		
27	Blood Cell Counter- 5 part	1		
28	Blood Cell counter-3 part	1		
28	Bio Chemistry Analyzer Fully Auto	1		
30	Semi Auto Analyser	1		
31	Coagulometer	1		
32	Blood Gas Analyser	1		
33	Manual Cell counter	1		
34	Hot Air Oven	1		
35	Laboratory Incubator	1		
36	Digital Timer	1		
37	Microscope	1		
38	Centrifuge	2		
39	Central Suction Oxygen System	1		
40	Finger Pulse Oxymeter	40		
41	Table Top Pulse Oxymeter	10		
42	Biomedical Waste Management	1		

43	UPS 5KV	2		
44	Sanitization	1		
45	Blankets	800		
46	Bed sheets	800		
47	Pillow	800		
48	Hospital Bath Towel	800		
49	Patient Uniform			
	Patient Uniform(Unisex)	750		
	Child Patient Uniform(Unisex 10 yrs & above)	50		
50	Staff Uniform			
	Senior Doctor Uniform	05		
	Junior Doctor Uniform(Unisex)	25		
	Nurse Uniform(Unisex)	205		
	Volunteers Uniform(Unisex)	200		
	Housekeeping Uniform(Unisex)	200		
Grand Total of Amount				

(Amount in words Rs. _____ Only)

We agree to supply additional quantity of any above item in the above quoted rate during the contract period of 12 months.

Yours faithfully,

Authorized Signatory

Name & Designation :

Date :

Seal :

Business Address:

Annexure – 1

Specifications of Equipment, Furniture and Fabrics

Sr. No.	Specifications of Equipment, Furniture and Fabric
1.	<p>Bed simple+Mattress+Pillow</p> <ul style="list-style-type: none"> - Overall size:- 33” X 75 “ X 22” - Bed frame: - 50 X 25 CRCA Tube with 3 support M.S.Top perforated double press CRCA Sheet 1 mm thick with single center top head support. - M.S. Bow :- 25 Dia X 1.25 mm Thik . - Leg:- 32mm Dia pipe 1.2 mm thick - Four flush I.V. Locations with M.S. I.V. Rod. - Urine bag holder. - complete with suitable mattress (100 mm thick PU foam) and pillow with rexine cover
2.	<p>Saline Rod</p> <ul style="list-style-type: none"> - Mobile Saline Stands with adjustable height 1300 mm to 2250 mm vertical pipe of 25 mm dia with top side solid bush with tapping for knob and inner SS 10 mm pipe or rod with 8 mm hook to hang for multiple units of IV fluids, Base 60*30 mm pipe 450*450
3.	<p>Bed Side locker</p> <ul style="list-style-type: none"> - Size 400 mm L x 400 mm W x 800 mm H - Locker Cabinet and door mild steel CRCA sheet - Door with magnetic latch - SS Top - Pre heated and powder coated finish
4.	<p>Food Trolley</p> <ul style="list-style-type: none"> - Frame with vertical movement on rache Top side m.s. 25 x 25 x pipe frame with wooden top 3” castor wheel 4 Nos.
5.	<p>Wheel Chair</p> <ul style="list-style-type: none"> - Folding wheel chair for patient transport foldable frame, 8” front side wheel, main wheel 22” with hand grip. M.S. ring, raxine cloth, handle, hand rest , foot rest, hand break. Overall size :- 355 mm (W) X 480 mm (D) X 665 mm (H).
6.	<p>Drug Trolley</p> <ul style="list-style-type: none"> - Overall approx. size 490mm W x 580 mm D x 1040 mm H - MS tubular Frame work - Should have 3 shelves - Four Castors 100mm diameter with brakes Pre heated and Powder coated finish - Pre heated and Powder coated finish
7.	<p>Stretcher Trolley</p> <ul style="list-style-type: none"> - Over all size :- 2000(L) X 565 (W) X 815(H). - S.S. top - S.S. Main frame 32 Ø pipe x 1.5 mm thick. Cross support 25 Ø pipe x1.25 mm thick. With 8” castor wheel with 2 Break & 2 Without Break , top detachable S.S. top sheet 1.0 mm .

8.	<p>Bed screen fold with curtain</p> <ul style="list-style-type: none"> - Overall size :- L-open 2360(L) mm / closed 1200 mm X 550(W) X 1730(H) mm. - Crca tubular structure mounted on 50 mm dia wheels; 2 sides folding. - Pre-treated epoxy powder coated.
9.	<p>Crash Cart</p> <ul style="list-style-type: none"> - Overall Aprox size:- 1000mm(L) X 510mm (D) X 1540mm (H). - SS 304G tubular frame work. - SS 304G top,middle & bottom tray - Six removable bins. - Two alkon make modular storage units with lock, three drawers each. - Oxygen cylinder holder and S.S. IV rod. - Trolley mounted on four 100mm diameter polyurethane wheels 2with brakes and 2 without breaks.
10.	<p>Beds with two movements (Folwer bed with mattress, pillow and I.V. rod)</p> <ul style="list-style-type: none"> - Overall size:- 36” X 78 “ X 24” - Bed frame: - 60 X 30 CRCA Tube with four section perforated CRCA sheet 1.25 mm thick. - 2 separate screw for backrest and knee- rest position by individual folding handles. - M.S. Bow:- 32 Dia X 1.25 mm Thick . - Leg:- 32mm Dia pipe 1.2 mm thick - Four flush I.V. Locations with M.S. I.V. Rod. - Urine bag holder. - Pre-treated & Epoxy Power Coated. - Mattress of top quality 3” thick mattress with rexine cover with pillow
11.	<p>Linen Trolley</p> <ul style="list-style-type: none"> - Over all size:- 1066mm(L) X 508mm(W) X 838mm (H). - Vertical & horizontal frame Crca tube 25.4 mm OD. - 2 shelves CRCA Sheet. - Provide Detachable Square plastic bean Suitable At half Side structure. - Supported with smooth moving 100mm polyurethane wheels , 2 with brakes and 2 without breaks.
12.	<p>Refrigerator 2 degree to 8 Degree</p> <ul style="list-style-type: none"> - Capacity: 220 L - Horizontal - clear glass view - 2 degree to 8 degree temperature - calibration based Digital Display of Temperature
13.	<p>Laboratory Freezer -20 degree Vertiv</p> <ul style="list-style-type: none"> - Vertical deep freezer - 20 degree C - 325 L capacity - calibration based Digital Display of Temperature.
14.	<p>Monitors</p> <ul style="list-style-type: none"> - 10.4" color TFT LED display, - Parameters: ECG, SpO2, NIBP, 2*Temp, Resp - Maximum 8 waveforms display, - 7-lead ECG simultaneous display, ST and arrhythmia analysis, - Drug dose calculation and titration table, OxyCRG dynamic view display, - Applications: Adult, Pediatric, Neonatal - Centralised Alarm setting for monitoring and Bed to Bed overview function.

<p>15.</p>	<p>ECG Machine</p> <ul style="list-style-type: none"> - ECG Acquisition: Simultaneous 12 lead acquisition (standard) with automatic injection of cal signal and pacemaker detection. - Frequency Response: 0.05-150Hz within 3dB - Time constant: >3 sec - Input Impedance: >50M Ohms - Input Current: <50 nA - Sensitivity: 1/4, 1/2, 1, 2 cm/mV automatic and manually adjusted. - CMRR: >100dB - A to D conversion: 24 bit - Sampling frequency: 1000 per sec./channel - Filters: Line frequency, base line and muscle filters - Safety: IEC 60601-1, IEC-60601-2-25, Class I, Type CF - ECG Recording: 3/6/12-Channels print format of ECG waveforms with measurement table of all 12 leads, average complexes, marking and interpretation statements. - Mode of Operations: Automatic and manual mode of operations - Printing Process: High resolution and high-speed thermal print head. - Paper Speed: 5/12.5/25/50 mm/s
	<ul style="list-style-type: none"> - Patient Input: Fully floating and isolated, defibrillation protected - Analysis: RR Trend, interpretation, arrhythmia analysis Storage : Built in memory to store more than 800 ECG events in PDF format, which can be retrieved latter on LCD screen or printed on printer. Interface: a) PC connectivity to transfer the data in PFD with required accessories and software. b) Direct connection to any USB printer c) USB port to transfer data on pen drive in PDF format - Display : 8” colour, TFT LCD with LED graphics and touch screen -Display format : a) 3/6/12 lead real time ECG on LCD screen, b) Full print preview before printing Indication : Mains/ standby, low battery, selected lead group, loose electrode, paper tray empty, filter status. - Report Printing: 3/6/12 lead ECG, Average/RR Trend/Arrhythmia/Stress/Tabular. a) report on a one-page A4 Size Z-fold paper b) Standardization: self-maintenance program for diagnosis of faults and built-in standard ECG waveform for calibration and functional checking. - Accessories: ECG cable-10 Lead IEC, Standard accessories required for machine.
<p>16.</p>	<p>Defibrillators</p> <ul style="list-style-type: none"> - 7” TFT color display, Upto 3 waveforms - Manual defibrillation with Impedance Compensation - Synchronized cardioversion, 3 Lead ECG Monitoring - Arrhythmia detection and vitals trending - 50 mm printer - Lithium ion battery with capacity of 100 full-energy charge/shock cycles Less than 6 seconds to charge to Full energy - The unit must deliver of 150J Shock within 5 seconds.
<p>17.</p>	<p>Nebulizer</p> <ul style="list-style-type: none"> - Max Pressure 30 psi - Flow range 0-14 lit/min - Particle size .5 to5 microns - Capacity 10ml - Noise level less than 55 Db - With Disposable mask

18.	<p>Suction Machine</p> <ul style="list-style-type: none"> - 1/4 HP powder - High vacuum with hand jars
19.	<p>B.P Instrument</p> <ul style="list-style-type: none"> - Pressure: 0 - 299 mm hg - Pulse: 40 - 80 bpm - Accuracy: Pressure: +/- 3 mm hg Pulse: +/- 5 % - Digital display
20.	<p>Weighing Machine</p> <ul style="list-style-type: none"> - auto calibrated scale range: 5 - 180 kg - Accuracy: +/- 5% - large and clear LCD display - Battery operated
21.	<p>IR Thermometer</p> <ul style="list-style-type: none"> - Range: 32 deg. C - 45 deg.C - Accuracy: +/- 0.3 deg. C - big LCD Display - 9-volt battery
22.	<p>Stethoscope</p> <ul style="list-style-type: none"> - Single Chest piece - Chest piece should be 45mm
23.	<p>X-ray View box</p> <ul style="list-style-type: none"> - Overall size by :- 500 (L) X 505(W) X 40(D) - With LED illuminated
24.	<p>ECG Machine Trolley</p> <ul style="list-style-type: none"> - Mild Steel tubular Frame work - Top should be SS - SS cable Hanging Rod - Four Castors wheel - Preheated and Powder Coated Finish
25.	<p>X Ray Mobile</p> <ul style="list-style-type: none"> High Frequency Mobile X ray unit -100 KV, ultra- high frequency 200 KHZ diagnostic mobile unit - mA range from 10 mA - 100 mA - mAs range from 0.1 mAs to 250 mAs - Focal spot 1.8 IEC 60336 -Leakage radiation should not me more than 20 mR/H - Tube head rotation should be 270 degree Vertical and 360 degree Horizontal - Unit should be supplied with Lead Apron and Chest stand - Maximum X-ray Field should be opted for along with 6KW for 80MA penetration - AERB Registration process to start simultaneously.
26.	<p>CR System+ Printer</p> <p>Image Recording System (Cassettes & Imaging Plates)</p> <p>PSP image plates and cassettes approved for general radiography use must be quoted with th system. The image plates should be rigid type for improved life and to reduce artefacts from dust or roller marks.</p> <p>35x43 cm or 14" x 17" -----02 nos</p> <p>24x30 cm or 10" x 12" -----01 nos</p>

	<p>Image Reading (CR Reader / Digitizer)</p> <ul style="list-style-type: none"> a. It should be able to process standard size cassettes b. It should have grey scale resolution of 16 bits / pixel c. Time to preview image of should be less than 30secs d. The scanning resolution of 100 micron (10 pixels/mm) should be available for all cassette sizes e. The highest through put should be 40 plates/hr or better f. It should have auto cropping feature to remove the unexposed pixels. This is to avoid zoomi when smaller body parts are examined with larger image plates.
	<p>Processing Server / CR Workstation with 19" LCD Panel</p> <ul style="list-style-type: none"> a. PC based unified server / workstation for centralized patient identification & management of Images / Studies. b. Process of identification should be ready for interface with existing Hospital Information System (HIS) or Radiology Information System (RIS) in DICOM protocols c. This Server must provide display of acquired images with greater details of demographics, like patient / study listing for easy access. d. This sever must provide full amount of post processing features like Geometric Corrections, Window /Level, Algorithms, Annotations such as markers , predefined texts , drawing lines and geometrical shapes, , measuring distances and angles and determining leg length differences Shuttering , histograms, Zoom, Grey Scale Reversal, Edge Enhancement, Noise Reduction, Indicate Grey Scale Saturation Level, Latitude Reduction. e. This terminal must provide a full fledge DICOM printing. Should be able to print in multiple formats (minimum 4) of a patient study, print a True Size image on any size of film. g. Should be equipped with DICOM CD writer for allowing examination of a patient to be writte onto a CD in DICOM format for referral purposes. h. All the software's, the digitiser and the printer must from the same manufacturer and the quoted model should be CE/FDA Approved.
	<p>Dry Imager (For Film Printing)</p> <ul style="list-style-type: none"> a. The system must be a Dry Imager, without need of any wet chemistry b. The system must be DICOM 3.0 Print Service Class Provider, allowing minimum of 10 associations at a c. The system must be able to process at least 75 films / hour. d. The system must deliver its first film within 80 seconds from print request. e. The system must have a spatial resolution of 320 PPI / DPI or more for all sizes printed. f. The system must have at least single online film sizes, and should be capable to print on any of the 8 " x 10 ". 10 " x 12 ". 11 " x 14 ", 14 "x17 "sizes two film input trays should be freely configurable at user level for all the mentioned film sizes. g. All the input trays should be freely configurable for loading any of the mentioned film sizes a user level. h. The printer should capable of printing first film within 10 minutes after switching on. <p>Essential Software / Features/Accessories</p> <ul style="list-style-type: none"> a. Application related software like black border / black masking should be available. b. A set of CR image plate cleaner should be supplied with the unit.

<p>27</p>	<p>Blood Cell Counter- 5 part</p> <ul style="list-style-type: none"> - Should be Fully Automated 5-part differential hematology analyzer along with 1 additional differential parameter Large immature cells (LIC%#). - It should be based on Impedance, Flow Cytometry and Hydrodynamic Focusing Technologies for WBCs. - Should have micro sampling volume up to 20µl in all modes. - It should be throughput: minimum 40 samples/hour with capacity auto-loader minimum 40 tubes at a time. - Must have Post draw sample stability of upto 48 hours. - Should have RANDOM ACCESS TESTING, with discrete analysis modes viz, CBC, CBC+DIFFERENTIAL. - Should have Stat sampling 8. Should have 27 parameters - CBC: - WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW CV, RDW SD, PLT, MPV, PCT*, PDW*, P-LCC, P-LCR Differential Leukocytes: - NEU# & NEU%, LYM# & LYM%, MON# & MON%, EOS# & EOS%, BAS# & BAS%, LIC# & LIC%*, - Must give color report printout of SCATTERGRAMS OF DIFF. - Linearity should be as mentioned - Linearity: Linearity Limits Visible Range Unit WBC 0 - 280 300 - 900 109/L RBC 0 - 8 8 - 15 1012/L HGB 0 - 240 240 - 299 g/L HCT 0 - 0.67 0.67 - 0.70 L/L PLT 0 - 2500 2500 - 3999 109/L PLT (concentrate) 0 - 4000 4000 - 4999 109/L - Single screen to view all data • 36 parameters. • Histograms, colour matrix. • Flags and remark - With control facility {IQC three level to be provided
	<ul style="list-style-type: none"> - Must have Automatic sample mixing for perfect homogeneity - Must have delta check for proper monitoring of patients reports - MUST HAVE CYANIDE FREE REAGENT FOR COLORIMETRIC ESTIMATION OF HEMOGLOBIN. - Sample storage capacity 10,000 sample data with histogram and scatter grams - Should have data transfer facility in PDF and Excel formats - Must have an AUTO SAMPLER with cap piercer and internal and external barcode reader for sample identification, making it a totally walkway system, decreasing the manual intervention. - Multi Connection capacity - Bidirectional communication to LIS, ASTM with query mode. HL7 compatibility, - Should have extensive 6 QC features, like files for X bar and LJ plot available, 20. Cytochemistry, Impedance (real cell volume measurement) & Optical (analysis of the internal cellular structure by measuring light absorbance) - Should have in-built Color touch screen - It should 36 selectable QC files - Should have Operating Temperature & Humidity +15°C (+59°F) to + 28°C (+86°F) - With control facility {IQC three level to be provided
<p>28.</p>	<p>Blood Cell counter-3 part</p> <ul style="list-style-type: none"> - It should be 3 part fully automatic hematology analyzer able to report & print all 19 Parameters: - RBC, WBC, PLT, Hb, MCV, MCH, MCHC, PCT, MPV, PDW, RDW-SD, RDW-CV LYM % & #, MON % & #, GRAN % & #, with LMG, RBC & PLT HISTOGRAM. - Method: Principal of cell counting by impedance and selective lysing Hb by cyanide free liquid, Photometry. - It must be able to report Platelet Concentration - The instrument should have dual chambers for RBC & Platelet, WBC & Hb.- It must have floating threshold to separate overlapping of PLT & RBCs. - It should be able to give pathological flags specially indicating Microcytes, Schizocytes, Myelocytes, Metamyelocytes, Lymphoblast, Eosinophilia, NRBCs - Sample Volume should be 50ul whole blood.- Should have throughput of 60 samples per hour.

	<ul style="list-style-type: none"> - Use only three reagents Diluent, Lyse and Cleaner with automated cleaning of sample probe and reagents - With control facility{IQC three level to be provided
	<ul style="list-style-type: none"> - should be in compact pack size without the limitations of any card system. - It should have single button Start Up and Shut Down facility and should have facility to initiate Start Up manually. - Should have Color Display - It should be based on Pressure and Syringe / SRV Technology. - It should have inbuilt printer and facility for external printer should be provided.- It should be US-FDA and CE98/79/CE directive ISO certified. - Linearity limit must be for RBC (0-8 x 10⁵/mm³), WBC (0-100x 10³/mm³), PLT (0-2200x10³/mm³) &Hb(0-26g/dl) & PLT Con. (0-4000x10³/mm³). - It should have large measuring range for WBC up to 400fl, RBC up to 300 fl& PLT up to 33fl for better reporting of cells. It should have USB port/ RS 232 port for data transmission.
29.	<p>Bio chemistry Analyzer Fully auto</p> <ul style="list-style-type: none"> - Random Access Clinical Chemistry Analyser with ISE module - It should be capable of performing minimum 200 Test - Measuring Cuvettes should be Disposable (or) permanent Pyrex Cuvettes (incase disposable cuvettes, instrument should have automatic cuvette loading/unloading facility - Should have minimum 8 wavelengths (Preferably from 340 to 700 nm) - Reagents prices should be fixed for 5years - Measurement principle: absorbance measurement (Bichromatic or Monochromatic) - Instrument should be capable of performing with minimum reagent volume 150µl - Instrument should be capable of performing with minimum sample volume of 2µl- Quoting company should have own controls and calibrators - Minimum sample positions 12no. with Stat sample option - Reagent Auto detection with inbuilt Barcode scanner - Instrument should be capable of performing test with samples Serum, Plasma, Urine and CSF Fluids - Instrument should have options like Profile creations, calculated test, 10000 patient data, Auto wakeup etc - Reagent compartment should have refrigerated area (2-8 deg C) and reaction wheel should maintain 37deg C - With control facility{IQC three level to be provided
30.	<p>Semi Auto Analyser</p> <ul style="list-style-type: none"> - Should have 12 wavelength position filter wheel - Should supply with 6 standard filters-340,405,505,546,578 and 620 nm - Photometric range -.1 to 2.3 Absorbance - Photo diode detector - Quartz Halogen lamp - 30 ul flow cell - Peltier element temperature control - Measuring time should be programmable - Capable of doing Kinetic,end point and two point measurement procedures - Levey Jenning plot - High /low flags - Should have capability of connecting optional external key board - With control facility{IQC three level to be provided

31.	<p>Coagulometer</p> <ul style="list-style-type: none"> - should have Clotting tests (640nm) - Screening Test (PT, APTT , Fibrinogen ,TT) - Factors (II, V ,VII,X,VIII,IX,XI,XII) - Turbidimetric Test (570nm) - D-Dimer. - 120 sec Max Measurement. - Operating temperature – 15 to 30°C & Humidity – 59 to 86°F - User friendly touch screen software - maintenance Free. - Intuitive Interface - 1000 Data Storage. - 3 reference measuring methods: Clotting, Turbidimetric and Chromogenic. - With control facility{IQC three level to be provided
32.	<p>Blood Gas Analyser</p> <ul style="list-style-type: none"> - The analyzer should be able to measure Blood gas (pH, pO₂, pCO₂) and electrolytes (Na⁺,K⁺,Ca⁺⁺, Cl⁻) upgradable to lactate. - The analyzer should be capable to perform only pH with Electrolytes; separate consumable should be available to perform without using Blood gas for using the same analyzer as backup for Electrolytes. - Sampling: By automated probe aspiration. - The instrument should be operated with multiple disposable test cartridge / cassettes. - The cartridge / cassettes should have variable pack sizes from minimum of 25tests to 300 tests. Option to use up to 1200 Tests/month - Consumables should have minimum 60 days onboard life for smaller packs consumables 25 tests to 300 tests. - The Cartridge / Cassette should have In-built Aspiration Probe - Instrument should have facility for user to watch “The movement of sample from aspiration to disposal in waste” - Analyzer should have minimum onboard test capacity of 25 test to maximum 600 tests The system should be small and portable and easy to carry - With control facility{IQC three level to be provided.
	<ul style="list-style-type: none"> - Analyzer should have automated entry and logging of consumables - Analyzer should have a start-up time of 8~ 10minutes - Analyzer should have large touch screen facility and optional for key board operation - Analyzer should have data back-up facility option with USB ports - Analyzer should be able to measure all parameters with 60 ~75microL - Sample measurement time: max 60 seconds and sample to sample cycle time max120seconds - Analyzer should have integrated barcode reader and printer to support sample identification and result output. - Analyzer should have on screen display of Levy-Jennings plot. - Analyzer should detect air-in sample
33.	<p>Manual Cell counter</p> <ul style="list-style-type: none"> - 8 Keys Manual counter
34.	<p>Hot Air Oven</p> <ul style="list-style-type: none"> - Inner SS Outer MS powder coated Inner size : 14" x 14" x 14" with - Digital temp controller Temp Range +50 to 200 deg. C

35.	<p>Laboratory Incubator</p> <ul style="list-style-type: none"> - Inner SS Outer MS powder coated - Inner size: 14" x 14" x 14" with - Digital temp controller temp Range amb +5 to 60 deg. C - inner acrylic door and outer MS door powder coated.
36.	<p>Digital Timer</p> <ul style="list-style-type: none"> - Digital Timer with Alarm/Stop watch
37.	<p>Microscope</p> <ul style="list-style-type: none"> - Binocular microscope - objective 1X, 10 X, 40 X, 100 X - quadruple revolving nose piece - LED bulb
38	<p>Centrifuge</p> <ul style="list-style-type: none"> - Laboratory type Centrifuge - dual capacity: 8 x 15 ml slip out type head - Max RPM: 5000 - Digital time: 0 - 60 mins
39.	<p>Central Suction Oxygen System</p> <ul style="list-style-type: none"> - Medical Grade Copper Pipes BS EN 13348:2016 Mark, Copper Pipes used should be solid drawn, seamless, Deoxidized phosphorus, non-arsenical, half hard, tempered and degreased, Manufactured as per BS EN 13348: 2016 in either R250 half hard or R290 hard Meeting the requirements as per the Medical grade Copper pipe standards. - Degreasing of pipe shall be such that there is less than 20mg/m² (0.20mg/dm² of hydrocarbons on the degreased surface when tested by method specified by BS EN 13348: 2016. - The supplier should provide Manufacturer's Test Certificate of copper pipes for physical Properties and chemical composition. - All copper pipes and fittings like bends, Tees, reducers and straight couplings should be As per EN 1254-1. - Copper pipes to be fixed with walls with suitable saddles and supports after erection. (Make: Mehta Tubes / Janya Extrusions) <ul style="list-style-type: none"> a) 12 mm OD copper pipe b) 15 mm OD copper pipe c) 22 mm OD copper pipe
	<ul style="list-style-type: none"> - B.S. Standard Gas Outlets manufactured with a 7-3/4" [197 mm] length type "K" 1/2" [12.7 mm] outside diameter (3/8" nominal) size copper inlet pipe stub, which is silver brazed to the outlet body. - The body shall be of 1-5/16" [33 mm] diameter, one piece brass construction. For positive pressure gas services, the outlet shall be equipped with a primary and secondary check valve and the secondary check valve shall be rated at a maximum of 200 psi [1,379 kPa] in the event the primary check valve is removed for maintenance. (Make: MR Engineering / Aktiv Technologies / JK Medical) a) Oxygen with probes - "Supply, Installation Testing and Commissioning of Indigenous Oxygen flow meter with humidifier bottle. It should be duly CE marked. 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. (Make: MR Engineering / Aktiv Technologies / JK Medical)

	<ul style="list-style-type: none"> - Supply installation testing and commissioning of Isolation Valve with nut nipples (Make : RN /Zoloto / Conex Banneger)15mm12mm - Supply Installation Testing and Commissioning of Indigenous 3+3 Size of oxygen manifold complete with middle frame with chain for individual cylinder. 6 nos. pig tail pipes & 6 nos. of non-return valves will be supplied with the manifold (cylinder will be charged extra or provided by the hospital) (Make: MR Engineering / Aktive Technologies / JK Engineering) - Semi Automatic Control Panel OXYGEN : It shall be CE marked. Panel should be integrated with pressure gauges, regulators and control switching components inside panel. - It should be fully automatic type and shall switch from “Bank in Use” to “Reserve Bank” without fluctuation in the final line pressure. After the switchover, the “Reserve Bank” shall then become the “Bank in Use” and the “Bank in Use” shall become the “Reserve Bank.” The control panel includes a line gauge, two bank gauges and incorporates three LED’s: one green for “Bank in Use,” and two red for “Bank Empty” on the front of the cabinet. The manifold consists of two bank regulators (dome –bias) used to reduce the cylinder pressure to the two line regulators which in turn controls the final line pressure. (Make: MR Engineering / Aktive Technologies / JK Engineering) - Backup : Supply Installation Testing and Commissioning of Indigenous 2+2 Size of oxygen manifold complete with middle frame with chain for individual cylinder. 4 nos. pig tail pipes & 4 nos. of non return valves and IOX-14 regulator will be supplied with the manifold (cylinder will be charged extra or provided by the hospital) (Make: MR Engineering / Aktive Technologies / JK Engineering) Supply, Installation, Testing & Commissioning of AREA ALARM (Indigenous) Make: (MR Engineering / Aktiv Technologies / JK Medical) - Medical Gas Analog Area Alarm (1 Gas)
40.	<p>Finger Pulse Oxymeter</p> <ul style="list-style-type: none"> - Attachable to Finger - Should display So2 and Pulse rate - Battery operated
41.	<p>Table Top Pulse Oxymeter</p> <ul style="list-style-type: none"> - continuous monitoring of oxygen saturation and pulse rate- 72 hours memory - should give perfusion index - should have audible and visual alarms - High Resolution with rechargeable battery option
42.	<p>Biomedical Waste Management</p> <ul style="list-style-type: none"> - Biomedical waste system for Segregation of waste from - Wards – 8 - Casualty -1 - Pathology Lab -1 - Trolley for movement up to segregation center
43.	<p>UPS 5 KV</p> <ul style="list-style-type: none"> - Pure sine wave UPS - Online with minimum 30 minutes back up
44.	<p>Sanitization</p> <ul style="list-style-type: none"> - Hand held fogger Machine - Power 1000W - Tank capacity 5L - Sprayer volume 470ml/min - Droplet size should be between 10-150 micron
45.	<p>Blankets</p> <ul style="list-style-type: none"> - As per IS 12848 - Hospital Blankets - Size 54” X 84”
46.	<p>Bed sheets: -As per IS 175</p> <ul style="list-style-type: none"> - Size 54” x 84”

47.	Pillow - 16” x 24”			
48.	Hospital Bath Towel - As per IS 854 - 70 cm x 140 cm			
49.	Patient Uniform as per IS 15852			
	Name of the Items	Specification of Items	Size	Quantity
	Patient Uniform (Unisex)	Colour Peach Or Pink Shade in Pure Cotton	36	50
			38	200
			40	200
			42	200
			44	100
	Child Patient Uniform (Unisex 10 yrs & above)	Colour Peach or Light Pink Shade	34	50
50.	Staff Uniform as per IS 15852			
	Name of the Items	Specification of Items	Size	Quantity
	Senior Doctor Uniform	Colour:-Dark Blue Shade,in Pure Cotton/pv suiting fabric	40	5
	Junior Doctor Uniform (Unisex)	Colour:-Light Blue in Pure Cotton	38	10
			40	15
	Nurse Uniform (Unisex)	Colour:-Green in Pure Cotton	36	25
			38	60
			40	50
			42	50
			44	20
	Volunteers Uniform (Unisex)	Colour:-Beige Shade in Pure Cotton	36	25
			38	50
			40	50
			42	50
			44	25
	Housekeeping Uniform (Unisex)	Colour:- Dark Brown in Pure Cotton	36	25
			38	50
			40	50
			42	50
			44	25