

OFFICE OF THE CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER –cum-DISTRICT MISSION
DIRECTOR, KENDRAPARA
[HEALTH & F.W. DEPARTMENT, GOVT. OF ODISHA]

TENDER CALL Reference No. CDM&PHO/RKSDHHKPD/2020-21/PR/01, Dated: 28.12.2020

Adw No 14286 dt 28.12.2020

TENDER DOCUMENT FOR SUPPLY OF DRUG, MEDICAL CONSUMABLES, LABORATORY
CHEMICALS & REAGENTS, X-RAY ARTICLES, INSTRUMENT/ EQUIPMENTS ,AYURVEDA
PANCHAKARMA, BCL ITEMS & WASTE MANAGEMENT ARTICLES ON RATE CONTRACT BASIS
FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL OF TENDER

Tel: 06727-233062, 9439994992

LAST DATE & TIME FOR RECEIPT OF TENDER : 27/ 01 / 2021 up to 5.00 PM

DATE & TIME OF OPENING OF TENDER
(COVER-A & COVER-B) : 28 / 01 / 2021 at 11.00 AM

PLACE OF OPENING OF TENDER: Conference Hall of the Chief District Medical & Public
Health Officer, Kendrapara, At/Po/Dist-Kendrapara-
754211

ADDRESS FOR COMMUNICATION: O/o- The Chief District Medical & Public Health Officer,
Kendrapara
At/Po/Dist- Kendrapara-754211
E-mail: admomedicalkendrapara@gmail.com
Telephone: 06727-233062/ 9439994992

TENDER CALL NOTICE

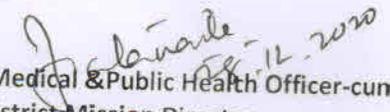
Sealed Quotations are invited by the undersigned from the intending Manufacturers / Suppliers/ Authorized distributors for supply of the items as per list enclosed.

The bidder should submit documents under two bid system i.e. two separate sealed packets one for Technical bid & another for financial bid superscripted on the cover separately & both the bids are to be kept in a single cover superscripted as "TENDER FOR SUPPLY OF MEDICINES /M.CONSUMABLES/ LAB REAGENTS / X-RAY ARTICLES/INSTRUMENT /EQUIPMENT, AYURVEDA PANCHAKARMA, BCL ITEMS & WASTE MANAGEMENT MATERIALS FOR THE YEAR 2020-21"

The Bidders may download the Tender Documents directly from the website available at <http://Kendrapara.nic.in> . The said quotation should reach in the office of the undersigned by Dt 27.01.2021 up to 5.00 PM through **Regd. Post / Speed Post** only. The tender will be opened on Dt. 28.01.2020 at 11.00 AM in the DTU, Kendrapara. The bidders or their authorized representatives may remain present at the time of opening of tender document, the tender document must contain the bidder's full address with Telephone No., Mobile No. and e-mail id. The undersigned is not responsible for any postal delay and reserves all the rights to reject any or all of the tenders without assigning any reason there off.

- a) Price of Tender document Rs.1000/- (Rupees one thousand) only (Non-Refundable) in shape of DD only in favor of the RKS, DHH, Kendrapara, Payable at Kendrapara (SBI, MAIN BRANCH)

The tender paper will be rejected if the bidder changes any clause or Annexure of the bid.


Chief District Medical & Public Health Officer-cum-
District Mission Director,
Kendrapara

**TERMS AND CONDITIONS FOR ACCEPTANCE OF TENDER FOR SUPPLY OF DRUG, MEDICAL
CONSUMABLES, LABORATORY CHEMICALS & REAGENTS, X-RAY ARTICLES, INSTRUMENT AND
EQUIPMENTS, AYURVEDA PANCHAKARMA, BCL ITEMS & WASTE MANAGEMENT MATERIALS TO
THE CDM & PHO, KENDRAPARA ON RATE CONTRACT FOR A PERIOD OF ONE YEAR FROM THE DATE
OF APPROVAL.**

- 1.1 Sealed tenders will be received by Dated 27 / 01 / 2021 up to 5 PM in the office of the Chief District Medical Officer, Kendrapara for purchase of **Drug, Medical Consumables, Laboratory Chemicals & Reagents, X-Ray Articles, Instrument And Equipments, AYURVEDA PANCHAKARMA, BCL ITEMS & Waste Management Materials**. Any tender received after the due date & time will be rejected / returned unopened to the sender. **The Tenders will be received through Regd. Post /Speed Post only.**
- 1.2 The sealed tenders 'Cover A' (Technical Bid) & Cover-B (Financial Bid) submitted by the bidder will be opened by the Purchase Committee at the Conference Hall of the CDM & PHO Kendrapara on Dt. 28 / 01 / 2021, 11 AM. The bidders or their duly authorized representatives are allowed to be present during the opening of the tenders.

ELIGIBILITY CRITERIA:

- 2.1. Bidder shall be a manufacturer / Distributor / Agency having valid up-to-date manufacturing License / Drug License, Valid ISO Certificate, Good Manufacturing Practices (GMP) Certificate or WHO GMP certificate (in case of drugs only), & having PAN, Last 3 years IT return, Sale Tax / GST clearance certificate (valid up to 31.12.2020)/ GST Registration for all bidders.
- 2.2. The annual average turnover of the bidder should be Rs 1 Crore or more during the last three financial years certified by a Chartered Accountant.
- 2.3. Bidder / manufacturing unit which has been blacklisted for any item either by the Tender inviting authority or by any State Govt. or Central Govt. organization cannot participate in the Tender for that item during the period of blacklisting supporting to court affidavit (**Annexure - IV**).
- 2.4. The Bidder should have typically not less than 3 (three) years of marketing experience in lab. Materials, Medicines / pharmaceutical products / Instruments supplying to the Government organization/ Corporate Hospital / PSU Hospitals/ UN agencies in India duly supported by documentary evidence (Xerox copy of Purchase Order minimum five).

TECHNICAL BID (COVER – A):

- 3.1. A Non-refundable A/c Payee Demand Draft of Rs.1000/- (Rupee one thousand only) towards the cost of the tender document in favor of the RKS, DHH, Kendrapara, Payable at Kendrapara (SBI, MAIN BRANCH)

- 3.2. 20,000/- as EMD in shape of Demand Draft in favor of the RKS, DHH, Kendrapara, Payable at Kendrapara (SBI, MAIN BRANCH)
- 3.3. List of items quoted with strength / specification and packing. *Local Medium & Small Enterprises (MSEs) registered in Odisha under the respective DICs, Khadi, Cottage & Handicrafts Industries, OSIC, NSIC are exempted from submission of EMD)*
- 3.4. Valid up-to-date Manufacturing License / Drug License (In case of Drugs only) up to march 2021.
- 3.5. Detail name, address, telephone no., Mobile No., Fax, e-mail of the firm and of the Director / Managing Partner / Proprietor of the firm. (As per **Annexure - II**).
- 3.6. Address, Telephone No., Mobile No., e-mail, Fax of the Branch Office / Contact Person in Odisha (Annexure-IV).
- 3.7. The Bidder has to submit their valid Sale Tax/ GST Clearance Certificate (valid up to 31.12.2020), PAN Card & Last 3 years I.T return i.e. 2017-18, 2018-19, 2019-20.
- 3.8. Valid up-to-date WHO GMP/Good Manufacturing Practice (GMP) certificate of Manufacturer from the Competent Authority (In case of Drugs only).
- 3.9. Valid and up-to-date ISO Certificate of the Manufacturer.
- 3.10. The original tender document duly sealed & signed in each page.
- 3.11. Checklist with detail of the documents enclosed in Cover 'A' (as per **Annexure - I**). The documents should be serially arranged as per this Annexure V and should be securely tied and bound.
- 3.12. If the Bidder is an authorized distributor, the purchase order may be placed to the authorized distributors & bills can be raised by the authorized distributor on behalf of the manufacturer, if specifically authorized by the manufacturer.

COVER – B (PRICE BID):

- 4.1. The tender form giving the rates for various Lab. Materials, Consumables, Reagents, Medicines and Medical Consumables etc. should be submitted in a separate sealed cover hereafter called **Cover 'B' (Price Bid)**.
- 4.2. The tender format (price schedule) in the prescribed form (**as per Annexure – II**) should be submitted inclusive of all taxes i.e excise duty, insurance, packing, Central Sales Tax / VAT & Entry Tax Gst etc. forwarding and freight (i.e door delivery). The rate should be quoted for Unit pack (**both in figures and words**). & supply will be made in unit pack as per Tender

specifications. The hard copy of price schedule must be sealed & signed in each page by the Bidder.

- 4.3. The Cover 'B' of the successful bidders who will qualify in the Technical bid will be opened at the Office chamber of the DTU, Kendrapara by the members of Purchase Committee in the presence of the Bidders or their authorized representatives if they like so.

NON RESPONSIVE / REJECTION CRITERIA

5. The tender paper will be rejected if any of the following documents are wanting.
- i) Earnest Money Deposit (EMD) Rs. 20000/- (Rupees twenty thousand) only *Local Medium & Small Enterprises (MSEs) registered in Odisha under the respective DICs, Khadi, Cottage & Handicrafts Industries, OSIC, NSIC are exempted from submission of EMD* in favour of the RKS, DHH, Kendrapara payable at Kendrapara.
 - ii) Bank Draft of Rs.1000/- towards price bidding document in favour of the RKS, DHH, Kendrapara, payable at Kendrapara.
 - iii) Attested photocopies of up-to-date valid manufacturing license / Drug License (in case of Drugs Only).
 - iv) Duly attested valid up-to-date Good Manufacturing Practices (GMP) Certificate or WHO GMP certificate (in case of Drugs Only)
 - v) Valid and up-to-date ISO Certificate of the Manufacturer.
 - vi) Price Bid / quoted rates (hard copy) without signature and seal of Bidder.
 - vii) Attested photo copy of Purchase Order from the Government organization/ Corporate Hospital / PSU Hospitals/ UN agencies in India in support of marketing experience for last 3 years in Tender for supply of Lab. Materials, Consumables, Reagents, Medicines & Medical Consumables (minimum five order).
 - viii) Attested copy of Last 3 years IT return & PAN Card.
 - ix) Attested copy of valid Sales Tax, VAT Clearance Certificate (up to 31.12.2020) & GST (Whichever applicable)/Audit report.
 - x) Authorization letter from the Manufacturer if the Bidder is an authorized distributor.
 - xi) The annual average turnover of the bidder should be Rs 1 Crore or more during the last three financial years certified by a Chartered Accountant.

EARNEST MONEY DEPOSIT (BID SECURITY):

- 6.1 The EMD is to be deposited to safeguard against a bidder's withdrawing or altering its bid during the bid validity period. The Earnest Money Deposit Rs. 20,000/- (Rupees twenty thousand only) (Not Applicable for SSI UNITS) for tender will be submitted by the Bidder. The EMD should be paid in the shape of demand draft in favor of the RKS, DHH, Kendrapara from any Nationalized / Scheduled Bank payable at Kendrapara. This should be submitted with the tender in Cover 'A'. E.M.D. in shape of Cheque / Cash / Postal Order will not be accepted.

- 6.2 The E.M.D will be forfeited if the Bidder withdraws the tender / violate the tender condition in any respect within the validity of the bid or does not accept the approved rates by the bidder.
- 6.3 The E.M.D of the unsuccessful bidders only will be returned back without interest latest by the 30th days after expiry of validity of the bid.

TENDER CONDITIONS:

- 7.1 The quoted rate shall not vary with the quantum of order placed for destination points.
- 7.2 Tenders should be type-written or Computerized and every correction /over-writing in the tender should invariably be attested with signature of the Bidder with date before submission of the tenders to the authorities concerned. No revision of price (upward or downward) will be allowed once the tender is opened ("Cover B").
- 7.3 If there is a discrepancy between words and figures, **the amount mentioned in words will prevail.**
- 7.4 If there is discrepancy in absolute and unit rate (which is obtained by multiplying the absolute rate with the total number in a unit pack) **the absolute price will prevail and the unit price will be corrected accordingly.**
- 7.5 To ensure sustained supply without any interruption the CDM&PHO , Kendrapara reserves the right to split orders for supplying the requirements among more than one Bidder provided that, the rates and other conditions of supply are equal and with sufficient grounds. In case of non-supply of any item by any approved lowest quoted firm, willingness of L₂ / L₃ / L₄ / L₅ etc. will be obtained to supply at L₁ rate The unit packing should be uniform as prescribed for each item.
- 7.6 **The rates quoted and accepted will be binding on the Bidder for a period of one year from the date of publication of the approved list (Opening date of Price Bid) or that of publication of the next approved list whichever is earlier and on no account any increase in the price will be entertained till the completion of this tender period.**
- 7.7 No Bidder shall be allowed at any time on any ground whatsoever to claim revision of or modification in the rates quoted by him. Clerical error, typographical error etc. committed by the Bidders in the tender forms will not be considered after opening of the tenders. Conditions such as "SUBJECT TO AVAILABILITY, SUPPLY WILL BE MADE AS AND WHEN SUPPLIES ARE RECEIVED" etc. will not be considered under any circumstances and the tenders of those who have given such conditions shall be treated as incomplete and for that reason, shall be summarily rejected.
- 7.8 If at any time during the period of contract, the price of tendered items is reduced or brought down by any law or act of the Central or State Govt. or by the Bidder himself, the

Bidder shall be morally and statutorily bound to inform the CDM & PHO immediately about such reduction in the contracted prices. The CDM & PHO Kendrapara is empowered to unilaterally effect such reduction as is necessary in rates in case the Bidder fails to notify or fails to agree for such reduction of rates. In case of any enhancement in Excise Duty due to statutory Act of the Govt. after the date of submission of the tenders and during the tender period, the additional excise duty so levied will be allowed to be charged extra as separate item without any change in price structure of the drugs approved under the tender. For claiming the additional cost on account of the increase in excise duty, the Bidder should produce letter from the concerned excise authorities indicating his commitment for the supply made to the CDM & PHO Kendrapara on account of the increase in excise duty.

- 7.9 The Tax will be charged as per the guidelines given by the Finance Deptt. From time to time. Only one Sales Tax either C.S.T / VAT will be paid to the supplier. In case of Entry Tax the supplier has to deposit the original receipt to claim it, if finished goods are brought from outside the State. The Sales Tax / VAT & E.T component should be shown separately in the cost price (Price Schedule) (**Annexure – II**).
- 7.10 In the event of the date being declared as a holiday for Govt. of Odisha, the due date of submission of bids and opening of bids will be the following working day at the appointed place & time.
- 7.11 The authority will be at liberty to terminate by assigning any reason there of the contract either wholly or in part. The Bidder will not be entitled for any compensation whatsoever in respect of such termination.
- 7.12 If the Bidder fails to execute the supply within the stipulated time, the authority is empowered to make emergency purchases or purchase from L₂, L₃, L₄ & L₅ as the case may be and apply the penal clauses on the defaulting firm.
- 7.13 The quantity of procurement may increase or decrease depending on the budget provisions, new schemes, natural calamities and epidemics etc.
- 7.14 The Bidder has to accept all the term & conditions mentioned in the tender document.
- 7.15 **The tender document is not transferable.**

SUPPLY CONDITIONS:

- 8.1 The supplier / firm will supply as per the technical specification and print the **generic name in bold letters** and brand name if approved by the licensing authority may be printed in small font in strip / bottle / injection / packing / foil / carton /packet /box etc.
- 8.2 The Bidder should deliver the Lab. Materials, Consumables, Reagents, Medicines and Medical Consumables at the Consignee (**Door Delivery**) in the district. The insurance, storage & transport charges / courier charges if any will be borne by the supplier. The short

- supply, damage if any at the time of delivery of consignment shall be replaced by the supplier within seven days of the first supply of indented items.
- 8.3 In all the cases the responsibility of the purchaser will start only after delivery and due verification of goods.
- 8.4 The Composition & strength of each item tendered should be as per the specification given in (Technical Specification).
- 8.5 The supply should be started immediately & completed within 60 days from the date of issue of the purchase order. If supply is not completed within 60 days from the date of issue of purchase order, the authority may cancel the order or allow extension. The authority has also the liberty to cancel those orders and purchase the same item from L₂, L₃, L₄ & L₅ firm as the case may be if the other firms agree to supply at L₁ rate. The non-supplier will be penalized in form of forfeiture of E.M.D.
- 8.6 Each Drugs and Medical Consumables must be accompanied with a test certificate that the supplied Drugs and Medical Consumables is of standard quality and as per the standard.
- 8.7 The Lab Materials, Drugs and Medical Consumables should arrive at the destination (warehouse) with remaining shelf-life of at least 5/6th of the stipulated total shelf-life from the date of manufacturing of that product.
- 8.8 The labels in all case of injectables should clearly indicate whether the preparations are meant for INTRA VENOUS, INTRA-MUSCULAR or SUB-CUTANEOUS or INTRADERMAL etc.
- 8.9 The packaging cartons must bear the name of the items (**Generic names**), strength, total quantity, total weight, and name of the manufacturer, month of manufacturing and month of expiry. All the supplied medicine should be super scribed as "**ODISHA GOVT SUPPLY, NOT FOR SALE**"
- 8.10 Each Strip / Box / Carton / Bottle / Amp. / Vial/Packet shall bear the seal of the manufacturer and month of manufacturing, month of expiry & Batch No/Lot No.

QUALITY TESTING:

- 9.1. All the suppliers / manufacturers must submit test reports from approved laboratory of the batches of Drugs Medicines and Medical Consumables being supplied to the consignee.
- 9.2. The district will also do random testing of the supplied drugs if required for which quality testing, packing & forwarding charges if any will be borne by the supplier.
- 9.3. If the Drugs and Medical Consumables as per report is found not of standard quality in first test, the supplier will be required to replace the entire quantity of the batch declared NSQ or the cost of it in shape of demand draft in favour of the RKS, DHH, Kendrapara & take back the available stock (unused) in different health institutions of Kendrapara district in his own cost within a period of 30 days of receipt of letter from authority.

- 9.4. If the supplier does not take back the NSQ stocks or does not challenge the 1st test report within 30 days of issue of letter by the authority, the concerned health institution can destroy the NSQ stocks with intimation to the authority following criteria mentioned in the Notification no.25061/H dt.22.09.2012 of Health & FW dept. Govt. Odisha.
- 9.5. If the items has been tested by the D.I & the CDM & PHO Kendrapara, the NSQ report of either of the authority will be accepted & actions will be taken accordingly. If the supplier challenges the test report in the above circumstances then it will go for testing to Central Drugs Testing Laboratory, whose report will be final.
- 9.6. The supplier shall be responsible for the full replacement in his own cost for any product, if the same is found on visual inspection to have deteriorated / not of standard quality before the expiry date.

TERMS OF PAYMENT:

- 10.1. No advance payments towards cost of Lab. Materials, Consumables, Reagents, Medicines and Medical Consumables etc. will be made to the supplier. The supplier has to submit 3 (three) copies of the bills or invoices with a photocopy of the purchase order at the place of supply for stock entry.
- 10.2. No claims shall be made against the authority in respect of interest on earnest money deposit or delayed payment.

PENALTIES:

- 11.1. If the Bidder withdraws or alters its bid or unwilling to accept the term & conditions of the tender after submission of bid & during the bid validity period, the EMD deposited by the said bidder will stand forfeited.
- 11.2. If the successful Bidder fails to execute the work order / replacement of NSQ stock within the time specified/ unable to undertake the contract or supply as per purchase order, his purchase order will be cancelled by him shall stand forfeited. He will also be liable for the damages sustained by the authority. Such damages shall be assessed by the authority, whose decision will be final in the matter. The defaulting firm will be de-recognized for 2 (two) years from the date of issue of letter. The authority can forfeit the performance security of the defaulting firms and de-recognize / black list the said firms for 2 (two) years from the date of issue of letter.
- 11.3. If any Drugs and Medical Consumables supplied by the Bidder being partially used or consumed after supply and are subsequently found to be in bad order, unsound, inferior in quality or description or otherwise faulty or unfit for consumption, the supplier will be required to replace the entire quantity of that item or the cost of it in shape of bank draft in favour of the RKS, DHH, Kendrapara and take back the available stock (unused) present in

different health institutions of Kendrapara district at his own cost within a period of 30 days of receipt of letter from CDM & PHO Kendrapara and also the firm will be de-recognized for 2 (two) years for that item from the date of issue of letter.

- 11.4 In the event of any litigation arising out of the tender such matters would be subject to the jurisdiction of the Courts of Kendrapara.

The detail items are required as follows:

1. LIST OF MEDICINES, MEDICAL CONSUMABLES.
2. LIST OF MENTALHEALTH DRUG.
3. LIST OF ANTICANCER DRUG.
4. LIST OF X-RAY & LABORATORY CHEMICALS, ANTIGEN, PIPETTE & VIALS.
5. LIST OF BEDDING, CLOTHING, AND LINEN ITEMS.
6. LIST OF DPH LABORATORY ITEMS.
7. LIST OF LABORATORY MATERIALS REQUIRED FOR RNTCP USE.
8. LIST OF EQUIPMENT, CONSUMABLES AND MISCELLANEOUS SUPPLIES FOR HWC.
9. LIST OF ITEMS OF PHYSIOTHERAPY & GERIATRIC EQUIPMENT & INSTRUMENT .
10. LIST OF WASTE MANAGEMENT ARTICLE
11. LIST OF PANCHAKARMA AYURVEDA MEDICINE

1. LIST OF MEDICINES, MEDICAL CONSUMABLES etc

Sl no	Drug Code	Drug Name	Specification
1		Cap Calcigard	10mg
2		Cap Calcigard SR	20mg
3	D04051	Cap Indomethacin	25mg
4		Cap Multi-vitamin & mineral	
5		Cap Nifedipine	5Mg/
6	D32015	Cap Oseltamivir	75mg
7		Cap Pancreatic Enzymis	10000&30000 USP Unit
8		Cap Rabeprazole + Levosupride	
9		Cap. Itraconazole	200Mg
10	D18038	Cap. Itraconazole	100Mg
11		Cap. Micro Progesteron	100mg/cap
12	D26017	Cap. Micro Progesteron	200mg /cap
13	D21009	Cap. Omeprazole	20Mg
14	D30003	Cap. vitamin B complex	
15	D34001	Cap.Vit. A.D	Vit. A 5000 IU+Vit. D3 400 IU/Cap
16		Tab Pyridoxin	100MG
17		Tab Nitroglycerine	
18		Tab Sorbitrate	
19	D12015	Tab .Terbinafine	250Mg/Tab
20	D04025	Tab Aceclofenac	100Mg/Tab
21	LD0082	Tab Amlodipine 5 mg + Atenolol 50 mg	5mg+50mg
22		Tab Amlodipine Besylate	2.5mg/tab
23	D17015	Tab Amlodipine Besylate	5Mg/Tab
24		Tab Aspirine	75mg
25	D17006	Tab Atenolol	50Mg/Tab
26		Tab Atenolol	25mg/Tab
27	D27095	Tab Betahestin	16mg
28		Tab Bisacodyl	5mg
29	D09091	Tab Cefixime	200Mg
30	D09126	Tab Cefodoxime	200mg
31		Tab Cefpodoxime proxetil+Clavonic	200mg+125/tab
32		Tab Cefuroxime	250mg
33	LD0021	Tab cefuroxime Axetil	500mg
34	D05010	Tab Cetrizine	10Mg
35		Tab cholecalciferol	
36		Tab Cinnarizine	25mg/tab
37	D07024	Tab Citicolin	500mg

38		Tab Clofazimin	100mg
39	D27110	Tab Clonazepam	0.5mg/tab
40		Tab Clopidrogel+Aspirine+Atrovastine	150mg+150mg+40mg
41	D17048	Tab Clopidrogrel	75mg
42		Tab Cycloserin	250mg
43		Tab Deflazacort	6/12/24/30
44	LD0049	Tab Dicyclomine 20mg+PCM 500mg	
45	D27035	Tab Divalproex Sodium	500mg
46	D27033	Tab Dothiepin	75mg
47	D28047	Tab Doxophyline	400mg
48	D21033	Tab Drotavrerin	80Mg/Tab
49	D17036	Tab Enalapril	2.5 mg
50	D17049	Tab Enalapril	5.0mg
51		Tab Ethambutol	800mg
52		Tab Ethambutol	400mg
53		Tab Ethionamide	250mg
54		Tab Fexo Fenadine	120mg
55	D46004	Tab Flavoxate	200mg
56	D12007	Tab Fluconazole	50mg
57	D20001	Tab Frusemide	40mg/t
58	D22033	Tab Glimepiride	1mg
59	D22014	Tab Glimepiride	2Mg/Tab
60		Tab Glycerol trinitrate	10mg
61		Tab Hydrochlorothiazide	12.5mg
62	D04024	Tab Ibuprofen+Paracetamol	400mg+325mg
63		Tab Isonizide	300mg
64	D17001	Tab Isosorbide	5mg
65		Tab Isosuprine	
66		Tab Lansoprazole	50mg/t
67	D05021	Tab Levocetizine	5Mg
68		Tab Levofloxacin	500mg
69		Tab Levofloxacin	250mg
70		Tab Linezolid	600mg
71	D17051	Tab Losartan Potassium	50Mg/Tab
72	D26003	Tab Methylergometrine maleate	0.125Mg/Tab
73		Tab Metoprolol	50mg
74	D13005	Tab metronidazole	400Mg
75	D26012	Tab Mifepristone	200mg/Tab.
76		Tab Moxifloxacin	400mg
77	D17052	Tab Nifedipine SR	20Mg/SR Tab
78		Tab Norethystren	500mg
79	D09033	Tab Ofloxacin	200Mg

80		Tab ondansetron	8mg
81	D27049	Tab Oxcarbazepine	300mg
82	LD0143	Tab Pantoprazole 40mg + Domperidone 10mg-	40mg +10 mg
83	D04002	Tab Paracetamol	500Mg/.Tab
84	LD0095	Tab Paracetamol	650Mg/Tab
85	D03015	Tab prednisolone	10Mg
86		Tab Pyrazinamide	750mg
87		Tab Pyrazinamide	500mg
88		Tab Pyridoxine	100mg
89	D27054	Tab Quetiapine	100mg
90		Tab Rifampicin	150mg
91		Tab Rifampicin	450mg
92		Tab Rifampicin	300mg
93		Tab Ritodine	
94	D17071	Tab Rosuvastatin	10mg
95		Tab Rosuvastine	20mg
96		Tab Salbutamol	4mg
97	D04056	Tab serratiopeptidates	10mg
98	D27057	Tab Sertraline	100mg
99		Tab Stemetil	5mg
100	D17084	Tab Telmisartan	20mg
101	D17032	Tab Telmisartan	40Mg/Tab
102		Tab Telmisetron+Amlodipine	40mg+5mg
103		Tab Telmisetron+Hydrochloro thiazide	40+12.5mg
104	D28003	Tab Theo+Eto	
105	D20011	Tab Torsiamide	20mg
106	D04030	Tab Tramadol	100mg
107	D22026	Tab Vildagliptin	50mg
108	D30035	Tab Vit D3	60000 IU
109		Tab Voglibose	0.3 mg
110	D09077	Tab, Azithromycin	500Mg
111	LD0050	Tab. Aceclofenac+ Paracetamol	100mg+325mg
112	D09113	Tab. Amoxicilin +Clavulanic Acid	500mg+125mg
113	D30001	Tab. Calcium and Vit. D3 /Tab	(Film coated)(Aluminium foil/Glycine Poly Foil/Blister pack)-500mg Elemental Calcium + Vitamin D3 250IU
114	D09026	Tab. Cefadroxil	500Mg
115	D05006	Tab. CPM	4Mg
116		Tab. DEC	150mg
117	D04023	Tab. Etoricoxib	90mg
118	D12008	Tab. Fluconazole	150Mg
119	LD0009	Tab. Glimipride + Metformin	1mg+500mg

120	D22004	Tab. Glipizide	5Mg/Tab
121	D05028	Tab. Levocetirizine + Monteleukast	5mg +10mg Tab
122		Tab. MedoxyProgesteron Acetate	10Mg/ Tab
123		Tab. Metformin HCL	1000mg
124	D22003	Tab. Metformin HCL	500Mg/Tab
125	D26007	Tab. Misoprostol	200Mg /tab
126	D09084	Tab. Ofloxacin	400Mg
127	LD0084	Tab. Ofloxacin+Orindazole	200mg & 500 mg
128		Tab. Omeprazole+Domperidone	
129	LD0058	Tab. Rabeprazole +Domperidone -	
130	D30016	Tab. Vitamin C	500mg
131	LD0033	Tab.Aceclofenac + Paracetamol + Sera	
132	LD0022	Tab.Cefuroxime+ Clavulanic Acid	500mg+125mg
133	D27001	Tab.Diazepam (Aluminium foil/Blister pack)-	5 mg/Tab
134		Tab.Diclofenac Sodium	500Mg/.Tab
135	D04006	Tab.Ibuprofen	400Mg/Tab
136	D16013	Tab.Tranexamic acid	500mg/Tab
137	D21048	Tab/Cap. Rabeprazole+ Domeprodone	20mg+30mg
138		Inj Drotavrerin	
139		Inj Efiress	
140		Inj Medoxyprogesteron	
141	D39002	Inj 8%Amino Acid for liver	
142	D04034	Inj Aceclofenac 150mg	
143		Inj Aminophylline	250mg/2ml
144	D09112	Inj Amoxicillin+ Calvunac Acid	1gm+200mg
145	D09162	Inj Ampicillin +Cloxacilline	250mg+250mg
146	D09047	Inj Ampicillin Sodium	100mg
147		Inj Ampicillin Sodium	250mg
148		Inj Ampicillin Sodium	500mg
149	D23009	Inj Anti Rabies Vaccin for human use.	2.5IU
150	D03001	Inj Atropine	0.6 mg/ml
151		Inj Betamethasone	
152	D04039	Inj Butorphanol Tartrate	2mg/ml
153		Inj Calcium Gluconet	
154		Inj Capreormycin	750mg
155	D09078	Inj Cefoperazone Salbactum	500mg
156	D09054	Inj Cefotaxime	1g/ V
157		Inj Cefotaxime	500mg
158	D09042	Inj Cefotaxime	125mg
159		Inj Ceftadigim + Tazobactom	1.125gm
160	D09116	Inj Ceftriaxone +Salbactum	1.5gm
161	D07023	Inj Citicolin	250mg/2ml

162		Inj Clinidamycin	150mg
163	D05001	Inj Dexamethasone	4.4 mg
164		Inj dextrose 25%	100bot
165		Inj Dobutamine	
166		Inj Dopamine	
167	D16047	Inj Erythropoietin	4000IU
168		Inj Etophyline+Theophyline	
169		Inj Expovan (Plasama Expander)	500ml
170		Inj Ferric Carboxy maltose	1000mg/vial
171		Inj Fexo fenadine	
172	D20002	Inj Frusemide	10Mg/1Ml
173		Inj Gentamycin	20mg
174		Inj Gentamycin	80mg
175		Inj Hepatites B	5ml/Vial
176	D40002	Inj Human Albumin IV	20%
177		Inj Insulin	2%
178		Inj Insulin	1%
179		Inj Insulin	30:70
180		Inj Isosuprine	10mg
181		Inj Kanamycin	500mg
182		Inj Kanamycin	1000mg
183		Inj KCl	10Ml
184	D04035	Inj Ketorolac	30mg
185	D02001	Inj Lignocaine HCL	2%w/v
186		Inj Lincomycin	2ml
187		Inj Lopamide	40mg
188		Inj Lorazepam	
189		Inj Mannitol IV	20%100ml
190	D09163	Inj Meropenem	500mg/vial
191		Inj Meropenum	1gm v
192		inj Methyl cobalamine	
193		Inj metoclopramide	
194		Inj Metronadizole IV	100ml
195		Inj Midazolam	1mg/ml
196		Inj Na Cl	
197		Inj Neteromycin	100mg
198	D09157	Inj Netlimycin	10mg/vial
199	D05018	Inj Noradrenaline	1mg/ml
200		Inj NS 3%	100ml/bot
201	D40004	Inj Octreotide	100mg
202		Inj Ofloxacin IV	100ml
203	D04004	Inj Paracetamol	150mg

204	D05007	Inj pheniramine maleate	22.75mg/ml
205	D07002	Inj phenobarbitone Sodium	200mg/ml
206	D04014	Inj Piroxicam	20mg
207		Inj Prochloroperazine	12.5mg/ml
208	D33191	Inj Ranibizumab	10mg
209		Inj Retromycin	10mg
210		Inj Retromycin	50mg
211		Inj Tramadol	50mg/ml
212	D05005	Inj. Adrenaline Bitartrate-	1mg/ml (1:1000)
213	D09019	Inj. Amikacin	500Mg
214	D09046	Inj. Amikacin	100Mg
215	D09004	Inj. Ampicillin	500Mg
216	D09056	Inj. Ampicillin	250mg
217	LD0006	Inj. Caffeine Citrate	2ml/vial
218		Inj. Ceftriaxone	125mg/v
219	D09094	Inj. Ceftriaxone	1g/V
220	D09093	Inj. Ceftriaxone	250mg
221	D09115	Inj. Ceftriaxone + Tazobactam	1gm + 125mg / vial
222	D07006	Inj. Diazepam-	5mg/ml
223	D23011	Inj. Human Anti-D Immunoglobuline	300mcg/2ml
224	D05002	Inj. Hydrocortisone	100Mg/V
225	D16018	Inj. Iron Sucrose	(2ml ample)
226	D17043	Inj. Labetalol	20mg/4ml Amp
227	D02005	Inj. Lignocaine with Dextrose (Heavy)	53.3Mg+75Mg/ MI
228	D02003	Inj. Lignocaine+ Adrenalline	21.3+0.005Mg/MI
229	D26006	Inj. Magnesium Sulphate	500Mg/ml
230	D26001	Inj. Methylethylmercurine maleate	0.2Mg/MI
231	D05023	Inj. Methylprednisolone	40mg/Vial
232	D24006	Inj. Neostigmine Methylsulphate-0.5 mg/ml	1ml
233	D21024	Inj. Ondansetron	2mg/ml(2ml amp)
234	D06002	Inj. Pam	500mg/20ml Vial
235	D21030	Inj. Pantoprazole With Diluent	40Mg/Vial
236	D04008	Inj. Pentazocine Lactate	30Mg/MI
237	D07007	Inj. Phenytoin Sodium-	50 mg/ml
238	D09087	Inj. Piperacilline+Tazobactum	4.5g
239	D23008	Inj. Snake Venom Antiserum	10 ml/Vial
240	D23005	Inj. Tetanus Toxoid	5ml/vial
241	D16012	Inj. Trenaxamic Acid	500Mg/5MI
242	D02006	Inj. Bupivacaine(0.5% Heavy)	5Mg/ML
243	D26005	Inj. Carboprost	250mcg/MI
244	D04049	Inj. Diclofenac sodium Aquous	75mg/ml
245	D26002	Inj. Oxytocin	5IU/1MI

246	D21005	Inj.Promethazine HCL	25Mg/
247	D03002	Inj.Vit B Complex	2Ml/Amp
248		Insulin Regular	40mg
249	D09095	Azithromycin Oral Suspension	200mg / 5ml
250		Calcium Vit D3 Susp	
251	LD0056	Cough Syrup	100ml
252		Drotaverin syp	
253	D07011	Phenobarbitone Oral Solution	20mg/5ml
254		Sus Norfloxacin	200mg/5ml
255		Susp Cefixime	50mg/5ml
256		Susp Cefuroxime	125mg/5ml
257		Susp Deflazacort	
258		susp Lincomycin	300mg/ml
259	D09085	Susp Ofloxacin	100mg
260	D21027	Susp. Antacid	100ML Bottle
261	D21021	Susp. Sucralfate	100ML
262		Syp Cefodoxime	50mg
263		Syp Flexo fenadine	60mg
264		Syp Hydroxizin	
265		Syp Ibu+Paracetamol	
266	D40003	Syp Lactulose	
267		Syp Laxative	200ml/Bottle
268		Syp Levo salbutamol +Guaphemosin +Ambroxol	1MG+30MG+50MG
269		Syp Levofloxacin	125mg/5ml
270		Syp Mefanamic+Paracetamol	
271	LD0140	Syp Multivitamin-	200ml/Bottle
272	D21006	Syp promethazine	5 mg/5 ml
273		Syp Salbutamol+Ambroxil	1mg+15mg/5ml
274		Syp Terbutalin +Ambroxil	1.25MG+50MG
275		Syp vitamin B-complex	
276		Syp. Alklyser	
277	D09164	Syp. Amoxycillin + Clavunic Acid	200 mg + (28.5 mg)
278	D05011	Syp. Cetirizine	5Mg/5MI
279	D05016	Syp. Levocetirizine	2.5mg5ml
280		Syp. Levocetirizine +Montelukast	2.5mg+5mg/5ml
281	D21038	Syp. Ondansetron	2 mg/5ml
282	D04003	Syp. Paracetamol	125Mg/5MI
283	D30024	Drop Multivitamin	(Palatable, with dropper and container as per I.P)-
284		Acyclovir Eye Oint.	0.3%w/v
285	D09109	Amoxycillin Dry Syrup	
286	D25046	Carboxy Methyl Cellulose Eye Drop	0.50%

287		Chloromycetin ear drop	5mg/ml
288		Cyclopintolate Eye Drop	1%/10mg
289		Dexamethasone +Moxifloxacin	0.1mg+0.5mg/5ml
290		Drop Ampicillin	100mg/ml
291	D09105	Drop Cefixime	25mg/ml
292		Drop Dicyclomine	
293		Drop Drotaverin	
294		Drop Lactage	
295		Drop LevoSalbutamol + Ambroxol + Guaiphenesin	0.25mg+7.5mg+12.5mg/ml
296		Drop Ondansetron	
297	D04026	Drop Paracetamol	100 mg/ 1 ml
298		Drop. Amoxycillin + Calvunic Acid	80mg+11.4mg
299		Drop.Cefodoxime	25mg/ml
300		Drop.Vitamin D3	400IU/MI,30ML
301		Drop Amoxycillin	125mg/ 5ml
302	D25026	Lidocaine+ Ofloxacin Ear Drop	5MI / Vial
303		Lotiprodmol Eye Drop	
304		Lubricating Eye Drop	
305		Midazolam Nasal Spray	
306	D25034	Moxifloxacin Eye Drop-	0.5% (FFS/
307		Moxifloxacin+Dexamethasone Eye Drop	0.5%+0.1/5ml/vial
308		Natamycin Eye Drop	
309	D25041	Ofloxacin Demamethasone Eye/ear Drop	
310	D25025	Ofloxacin Eye Drop	0.3%w/v
311		Ofloxacin eye/ear drop	0.5ml
312		Olopatadine Eye Drop	
313		Oxymetazoline Nasal Drop Adult	0.05%
314		Oxymetazoline Nasal Drop Ped	0.03%
315		Procaine Eye Drop	
316	D29015	Saline Nasal Drop	10MI Vial
317		Timolit Eye Drop	
318		Tropicamide Plus Eye Drop	0.5%/5ml
319		Xylocaine 4% Topical Eye Drop	4%
320	D25045	Xylometazoline Hydrochloride Nasal Drop- (Adult)	0.1 wv FFS BFS Plastic Container
321	D25045	Xylometazoline Nasal drop(Paed)	0.1
322		Atropine Ointment	
323		Azithromycin Eye Oint.	1%w/w
324		Benzocaine Ointment	
325	D25011	Chloramphenicol Eye Ointment	1%w/w
326	D25031	Chlorehexidine Oral Gel	1%
327		Clotrimazole +Beclomethazone	

328	D12011	Clotrimazole Vaginal Gel	2%
329	D18030	Cream Clotrimazole	1% w/w
330	D18012	Cream Permethrin	5%
331	D12020	Cream. Terbinafine	
332	LD0060	Diclofenac gel	
333		Gamma Benzene Hexachloride Lotation	1%+ Benzocaine 2%
334	D02007	Lidocaine Hcl Gel	2%
335		Lignocaine Spray	
336		Metronidazole gel	
337	D18032	Mupirocin Ointment	2% 5Gm Tube
338		Oint momentasole	
339		Ointment Fluocinolone Acetonide	0.1% ww 30gm tube
340	D18017	Povidone Iodine Mouth Wash	2%
341	D18024	Providone Iodine Oint	5% w/v , 15Gm Tube
342		Triamcinolone Ointment	0.10%
343		Vit A Cream Oral	
344		Face Mask &Head cap	
345		Repsul Flohale	
346		Silk Suture	Mar-00
347		A.D syringe	0.5ml
348		Alcohol based hand rub as per WHO recommended formula with stand	5 Ltr/ 500 ml
349		Ambu bag Pediatric	250ml
350		Ambu Bag Pediatric	500ml
351		Asthalin Inhaler	
352		B.T SET	
353		Baby weight Scale 5Kg	As per Speciation attached
354		Bacilocid Extra	5lt
355	D31018	Black Disinfectant Fluid	4Lit/Jar
356		BP Apparatus (Digital type)	
357		BP Apparatus (Mercury type)	
358		Budesunide +Formotenal Inhaler	
359		Calamine Lotion	
360	S01012	Catgut Chromic 1-0 with needle	Size- 1-0 ,length: 76cm, 1/ 2 Circle Round Bodied (45mm needle)
361		Chlorohexidine mouthwash	
362		Cydex Solutation	5ltr
363	D31025	Dental Intra Oral X- Ray Films	4.1Cm x3.1Cm
364		Diaper XS Size for newborn	
365		Dimethanol with Gluteral dehyde for fogging	
366		Dispo Syringe	20ml
367		Dispo Syringe	50ml

368		Disposable Hand Care & Face Care	
369	S02010	Disposable Scalp Vein Set-ETO Sterilise Pyrogen free short beveled silliconised needle	size 20, 22, 24, Length 3/4 with CE certification.
370		Drape Sheet Polythene	
371		ECG Papers	
372	S02133	Elastic Adhesive Bandage(fixator)	(IV Cannula Fixator)
373		Elastic crape Bandage	6"
374		Electrical Needle & Syringes destroyer (NST)	
375		Endotracheal Tube	2.5,3,3.5
376		Examination Gloves	Mark-Sizes 6 1/2,7,7 1/2
377	D16048	Factor VII	1.0mg
378		Fluticazone /Rormetrol MDI	200/400
379		Fogging Machine	
380		Glutial Dehide	
381		Hand care plastic hand	
382		Hand Sanitizer	500ml
383		Hand wash (Soap Base)	215ml
384		HBNC Asha Kit with bag	As per Speciation attached
385		I.V Set Child)	
386		Infant feeding tube	5/6/7/8/10
387		Insulin syringe	40unit
388		Intravenous set (Adult)	
389		Lactobacillus sachet	
390		Levosambutamol MDI	50MCG
391		Levosulbutamol+Budesunide	
392	D02011	Lignocaine Spray Tropical	100mg
393		Lotion Clotrimazole	
394		Machintos Autoclaveable	100cmx100cm
395		Machintos Roll	4ftx20mtr
396	D34007	Micropore	
397		Nasogastic Tube ped	5,6
398		Nebulizer	
399	S02019	Operation Gloves	Mark-Sizes 6 1/2,7,7 1/2
400	D21012	ORS	20.5Gm
401	D21029	ORS	4.3Gm
402		Oxygen Mask	
403		Oxygen Tube	
404		Paedi Drip set	
405		Patient Identification Band (Single)	
406		Patient Identification Band Combo (Mother & Child)	
407		Plaster Cutter	
408	LS0025	Plaster of Paris Powder Bag	1 kg-
409		Plaster of paris Roller Bandage 4"	10cmx2.7mtr(Ready made)
410		Plaster of paris Roller Bandage 6"	15cmx2.7 mtr(Ready made)

411		PMO Line 3 way stop cock	
412		Polyamide	
413	D18007	Povidone Iodine Solution	500ml/Bottle
414		Probiotic Sachet	
415		Pure Hand (Sanitizer)	500ml
416		Repsul Deoline	
417		Salbutamol Repsule	
418		Soap based handrub with Stand	5 Ltr/ 500 ml
419	LD0069	Sodium Phosphates Enema B.P. 100ml.-	
420		Spinal Needle	(25G)
421		Steam Indicator Tape for checking of Autoclave Sterilization	Tape
422	D19006	Surgical Sprit	500ml
423	S02046	Syringe	5cc
424	S02043	Syringe	10cc
425	S02045	Syringe	2cc
426		Thermometer Clinical	
427		Thermometer Digital	As per Speciation attached
428		Ultrasound Jelly	5kg
429		Vicryl	1,1-0,
430		Weighing Machine (Digital) Adult	120kg
431		Weighing Machine (Digital) Child	5kg
432	D31008	X-ray Photo Film	8"x10"
433	D31009	X-ray Photo Film	10"x12"
434	D31010	X-ray Photo Film	12"x12"
435	D31011	X-ray Photo Film	12"x15"

2. Mental Health Drugs

Sl No	Name of the item	Speceification	Remarks
1	Tab Olanzapine	10mg/Tab	
2	Tab Haloperidol	5mg/Tab	
3	Tab Lithium Carbonate	300mg/Tab	
4	Tab Risperidone	2mg/Tab	
5	Tab Risperidone	0.5mg	
6	Tab Nitrazepam	10mg/Tab	
7	Tab Amitriptyline	25mg	
8	Tab Escitalopram	5mg/Tab	
9	Tab Trihexyphenidyl	5mg/Tab	
10	Tab lorazepam	2mg/Tab	
11	Tab Clonazepam	1mg/Tab	
12	Tab clonazepam	2mg/Tab	
13	Tab Phenytoin Sodium	100mg	
14	Tab Carbamazepine	300mg/Tab	
15	Tab Donepezil	5mg/Tab	
16	Tab Fluxoxetine	20mg	
17	Tab Chlorpromazine	50mg	
18	Tab Chlorpromazine	100mg	
19	Tab Imipramine	75mg/tab	
20	Tab Carbamazepine	200mg/tab	
21	Cap Fluxoxetine	20mg/tab	
22	Tab Mirtazapine	15mg	
23	Tab Paroxetine	25mg/tab	
24	Tab Oxcarbazepine	150mg/tab	
25	Tab Oxcarbazepine	300mg/tab	
26	Tab Quetiapine	50mg/tab	
27	Tab Quetiapine	100mg/tab	
28	Inj Promethazine	25mg	
29	inj Fluphenazine	5mg	
30	inj Thiamine	10mg	
31	Inj Haloperidol	25mg	
32	Inj Lorazepam	1mg/ml	
33	Inj Promethazine	50mg	
34	Piracetam Syrup		
35	Syrup Sodium Valproate		
36	Tab Amisulpride	100mg/tab	
37	Tab Olanzapine	10mg/tab	
38	Tab Donepezil	5mg/tab	
39	Tab Donepezil	10mg/tab	
40	Tab Memantine	5mg/tab	
41	Tab Memantine	10mg/tab	

3. Anti Cancer Drugs

Sl No	Drug Code	Name of the item	Remarks
1	D33081	Tab Aprepetant Kit	
2	D33109	Docetaxel Inj. 120mg, 120 mg Vial	
3	D33107	Docetaxel Inj. 20mg, 20mg Vial	
4	D33108	Docetaxel Inj. 80mg, 80mg Vial	
5	D33122	Filgrastim Inj., 300mcg Vial	
6	D33123	Filgrastim peg Inj., 6mg / PFS	
7	D33057	Inj. 5 Fluorouracil, 250 mg / 5ml	
8	D33058	Inj. 5 Fluorouracil, 500 mg / 5ml	
9	D33087	Inj. Bortezomib, 2mg Vial	
10	D33055	Inj. Carboplatin 150mg/Vial	
11	D33056	Inj. Carboplatin, 450 mG/vial	
12	D33023	Inj. Cisplatin 10mg /Vial	
13	D33024	Inj. Cisplatin 50mg /Vial	
14	D33004	Inj. Cyclophosphamide 1gm, 1gm/vial	
15	D33002	Inj. Cyclophosphamide 200 mg/vial	
16	D33054	Inj. Doxorubicin, 50 mg, 2mg/ml 25ml vial	
17	D33061	Inj. Epirubicin, 100 mg	
18	D33059	Inj. Epirubicin, 10mg / Vial	
19	D33060	Inj. Epirubicin, 50mg / Vial	
20	D33073	Inj. Gemcitabine (with diluents in plastic container), 1gm/vial	
21	D33072	Inj. Gemcitabine (with diluents in plastic container), 200mg/vial	
22	D33017	Inj. Vincristine Sulphate, 1mg / ml	
23	D33181	Inj. Zoledronic Acid, 4 mg / Vial	
24	D33177	Inj. Trastuzumab 440mg	
25	D33136	Leucovorin Calcium Inj. 50mg/5ml	
26	D33153	Oxaliplatin Inj. 100mg, 100 mg / Vial	
27	D33152	Oxaliplatin Inj. 50mg, 50 mg / Vial	
28	D33079	Paclitaxel Inj. 250 mg (with diluents in plastic container), 260mg	
29	D33161	Pemetrexed Inj. 100mg, 100 mg / Vial	
30	D33162	Pemetrexed Inj. 500mg/ Vial	
31	D33164	Rituximab Inj. 100mg, 100 mg / Vial	
32	D33165	Rituximab Inj. 500mg, 500 mg / Vial	
33	D33091	Tab. Capecitabine, 500mg Tab	

4.LIST OF X-RAY & LABORATORY CHEMICALS, ANTIGEN, PIPETTE, VIALS & CONSUMABLES

Sl no	Name of the items
1	Glucose kit
2	Serum urea kit
3	Serum creatanine kit
4	Serum cholesterol kit
5	Serum Bilirubin kit
6	ASO titer Antigen
7	R.A Factor Antigen
8	CRP Antigen(tulip)
9	Toxo plasma strip(tulip)
10	VDRL Strip(SD)
11	Disposable ESR Pipet(with vacuum plug)
12	Anti A Group tulip
13	Anti B Group tulip
14	Anti D Group(Igg&Igm)tulip
15	Micro tips 100 micron
16	Micro tips 1000 micron
17	Sodium Citrate For E.S.R Test 3.2% & 3.8% 500 bottle
18	Sodium Fluoride Vial (Double Oxalated)
19	E.D.T.A Vial
20	Plain Vail
21	Urine Container
22	Dist Water
23	Malaria (ICT) Kit
24	Lancet
25	Glucu Stick For sugar(Code Free) (SD)
26	Urostick
27	Hemoglobin Tube& pipette
28	Widal Antigen
29	Lishmans Stain
30	Benedicts Salutation
31	Micro Slides
32	Heamometer Set
33	WBC Diluting fluid
34	HB SAG,HCV kit
35	Benzidine Powder
36	Heparinised Capillary tube for Micro ESR
37	Sulphor powder
38	Barium Chloride
39	Glass Test tube
40	Glacial acetic acid
41	Cover Slip

42	Diluint /Buffer (for CBC) (Medionic)3part
43	N/10 HCL.-500ml.bott.
44	X-Ray Fixer
45	X-Ray Devloper
46	X-Ray Film (Digital Fuji film)- 8"*10"
47	X-Ray Film (Digital Fuji film)- 10"*12"
48	Sodium Hypochlorite (10 %) 5 ltr/jar
49	Disposable Apron
50	Plastic/ Rubber Apron
51	Disposable Cloth for wrapping the newborn babies
52	Plastic Tag for tying BMW polythene
53	U.S.G. Jelly 5ltr./jar
54	Stethoscope 3 Different Brands.
55	Oxygen Cylinder Stand (for 1.5 Liter cylinder)
56	Oxygen Flow meter with Humidifier
57	Slide Wrenchi
58	Oxygen Key
59	Dimethanol with Gluteral Dehyde 5 Ltr Jar
60	Alcohol based hand rub as per WHO recommendation
61	Oxygen Cylinder 1.5 cumm
62	Digital Hemoglobinometer
63	Digital Hemoglobinometer(Stick)
64	Ocult Blood Test kit
65	HIV Test Kit
66	Uric Acid Kit
67	ECG Paper roll 208,2mmx 20mtr
68	Sodium Citrate Vial For E.S.R Test 3.2% & 3.8%
69	Urine Pregency test kit
70	Colori meter test tube
71	Test tube Washing Brush
72	Tissue Paper
73	Plastic Dropper 2ml
74	Plastic Drouping Bottle 100ml
75	Silanized Glass Pipette
76	Slide tray
77	Test tube stand
78	3.8% sodium Citrate 500ml bottle

79	Staining Glass Jar
80	Immersion Oil
81	White Pencil
82	Glass Marking Pencil
83	Platelet Diluent Fluid
84	Torniquit (Fleming)
85	Forceps
86	Test tube Glass
87	Test Tube Holder
88	Liquid Paraffin Light
89	Glass Beaker 500ml
90	Glass Beaker 250ml
91	Trucks Fluid (WBC)
92	Hemacytometer (RBC)
93	Capillary Tube for BTCT
94	Thermocool Box (12"x12"x12")
95	Ice Gel Pack

5. LIST OF BEDDING, CLOTHING, AND LINEN ITEMS
2019-2020

SL no	Name of the items	Specification	Remark
1	Bed sheet (white coloured ,bleached ,both side stitched)	Length=230 Width =150cm Construction particulars, Performance requirement dimensionandmassshouldconfirm to IS 175:1989 (Reaffirmed2001,Varity No.4)	
2	Turkish Towel (Large white colour)	150cmx70cm.	Both side stiche
3	Turkish Towel (Small; White colour.)	60cmx80cm.	Both side stiche
4	Green Cloth cotton	89cm/Mtr	
5	O.T. Towel (Green colour)	100cmx89cm	Cotton ,both side stiched
6	Pillow Cover		
7	Pillow		
8	Blanket (Adult)		
9	Mosquito Net		
10	Patient Gown		
11	Surgen Gown		
12	Mackintos Sheet	(20mtr Roll)	
13	Mattress Cover		

6. List of DPH Laboratory Items: (2020-21)

DPHL, KENDRAPARA(Lab Logistic & Consumables)			
Glass wares			
Sl. No.	Name of the Apparatus	Quantity	Specification
1	Conical Flask	100ml	Glass
		250ml	
		500ml	
		1000ml	
2	Measuring Cylinder	10ml	Glass
		100ml	
		250ml	
		500ml	
3	Petriplates	100mm	Glass
		100mm	Autoclavable fiber
		100mm	Disposable
4	Test Tube(Rimless)	12x75	Glass
		10ml	
		20ml	
		38ml	
		30ml	
		100ml	
5	Beaker	50ml	Tarson Autoclavable Plastic
		100	
		250	
		500ml	
		1Ltr	
6	Borosil Microscope Slide	Transparent	Glass
7	Autoclavable Glass Bottles with Lid	500ml	Autoclavable
8	Coverslip	Transparent	Pkt
9	Durham's Tube	100/pkt	Glass
10	Concavity slide	Glass	for Motility testing

Metalwares			
Sl. No.	Name of the Apparatus	Quantity	Specification
1	Inoculating Loop	2mm Diameter	Nichrome(Himedia)
		1mm Diameter	
2	Forceps	Medium	Stainless Steel
3	Scissors	Medium	Stainless Steel
4	Staining Rods		Steel
5	Staining Rack		Steel

6	Spatula	Medium
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Test kits			
Sl. No.	Name of the Test kit	Quantity	Specification
1	Dengue IgM ELISA Kit		Meril
2	Dengue Early NS1 ELISA Kit		Meril
3	H2S(Coliform)		Himedia
4	Orthotoludine kit		Himedia
5	JE IgM ELISA Kit		
6	HBA1C Kit		SD
7	Hepatitis A Ig M		ELISA kit
8	Hepatitis E Ig M		ELISA kit

Other requirements			
Sl. No.	Name of the Apparatus	Quantity	Specification
1	PH paper		small Range wide range
2	Sample Collection Vials	Plastic	Capped(plastic)
3	Sample Container	Plastic	Sterile Uricol
4	Cotton Swabs	Sterile	(In Packets)
5	Filter Paper	Wattman's	
6	Aluminum foil		
7	Spreader	in packet	
8	White Pencil Marker		
9	Waste disposal Bags(Black, Blue, red, Yellow)	50/packet	
10	Zip lock bag plastic		
11	Discarding Tray(stain less steel)	Hard Plasic	Autoclavable
12	Sterilizing Indicator(Sterio thermophilus strip)	Strips in Packet	
13	Brown paper		
14	Rubber bands	in KG	
15	Tissue paper	in Roll	
16	Cotton	Abserbant	in Packet
		Nonabserbant	in Packet
17	Multichannel Micropipettes(Adjustable)		20-300 µl
18	Sterile Micro Tips(for ELISA)	1000/pkt	10 µl
		1000/pkt	200 µl
		1000/pkt	1000µl
19	Aprone	White	Full sleeve
20	Nitrile Gloves(Blue colour sterile powder free)	50/Pkt	6.0"
		50/Pkt	7.0"
21	Masks disposable	100/Pkt	disposable

22	Antibiotic Zone Diameter Scale	Plastic	
23	Test Tube Washing Brush		Big
			medium
			small
24	K3 EDTA vials		
25	Plain vials		
26	Gel clot vials		
27	Sterile swab stick	Himedia(PW1136)
28	Sterile swab stick (Screw cap)	Himedia(PW003)
29	Tourniquet		
30	10 ml screw cap vials		Tarson
31	Autoclavable Sterile Plastic Vials	5ml	Plastic
32	Autoclavable Sterile Plastic Vials	10ml	Plastic
33	Urine culture Bottle	50 ml	
34	Water testing bottle(Plastic Autoclavable)	250ml	Tarson
35	Bunsen Burner with Pad & Stand		
36	Disposable Syringe	2ml	
		5ml	
		10ml	

Liquid Reagents			
Sl. No.	Name of the Liquid reagent	Quantity	Specification
1	Cidar wood Oil/Liquid Immersion Oil	in Bottle	100ml
2	Absolute Alcohol (99.99%)		500ml
3	Isopropyl Alcohol (70%)		
4	Spirit(Surgical)		500ml
5	Lysol	in Lit	
6	3% Hydrogen peroxide(H ₂ O ₂)		500ml
7	Kovac's Indole reagent		
8	Barrit's reagent A		
9	Barrit's reagent B		
10	KOH		500gm
11	Sodium Hydroxide(NaOH) crystals		100gm
12	4% Sodium Hypochloride solution		5lit Can
13	Formal Dehyde		500ml
14	Concentrated Sulphuric Acid	99.99%	250ml
15	Acetone		500ml
16	Buffer Capsules(pH 4& 9)		1pkt
17	Deionised/Distilled water	In Ltr	
18	Dettol Hand wash		
19	Deoderising Pearl		
20	Urea Crystals for Urease Agar		250gm
21	Diluent for CBC 3 part		Medonic

22	Lyse for CBC 3 part		Medonic
23	Liquid Paraffin		200ml
24	Sodium Chloride		
25	Sodium Hydroxide		
26	HCL		
27	Sanisol Disinfectant	In ltr	
28	10% Feric Chloride		
29	Phenol Indicator		

Media Required			
Sl. No.	Name of the Culture Media	Bottle containing	Specification
1	Nutrient Broth	500mg	Himedia
2	Nutrient agar	500mg	Himedia
3	Agar Agar	100gm	Himedia
4	Peptone Water	500mg	Himedia
5	Mac-conkey broth	500mg(Single strength)	Himedia
		500gm(Double strength)	Himedia
6	Mac-conkey Agar	500mg	Himedia
7	Selenite F Broth	200gm	Himedia
8	XLD Agar	200gm	Himedia
9	DCA agar	200gm	Himedia
10	TCBS agar	500mg	Himedia
11	Mullar Hinton Agar	500gm	Himedia
12	Triple Sugar Iron Agar	500gm	Himedia
13	Simmon citrate Agar	500gm	Himedia
14	Carry Blair medium in polypropylene tube		Himedia
15	Alkaline peptone water	500mg	Himedia
16	Lysine Iron Agar	500gm	Himedia
17	Mannitol Motility Agar	100gm	Himedia
18	Salmonella Shigella Agar	500gm	Himedia
19	Brilliant Green Bile Broth	500gm	Himedia
20	MR-VP broth	500gm	Himedia
21	Urea Agar Base(Chrisstensen)	500gm	Himedia
22	Loeffler's serum Medium	100gm	Himedia
23	Strenotrophomonas selective Agar Base	500gm	Himedia
24	Methyl Red Indicator		Himedia
25	Mannitol Salt Agar	100gm	Himedia
26	Robert Cook meat broth	500gm	Himedia
27	Robert Cook meat broth(Ready made)		
28	Sheep Blood Agar 90 mm plate (Ready made)		Himedia
29	Brain Heart Infusion Broth bottle (Readymade) for pediatric.	20 ml	Himedia

30	Brain Heart Infusion Broth bottle (Ready made) for Adult.	50 ml	Himedia
31	CLED Agar	500gm	Himedia
32	Carry blair media base	500gm	Himedia

Stain & Antibiotics

Sl. No.	Name of the Stain kit	Specification
1	Gram staining kit	Himedia
2	AFB Stain Kit	
3	Leishman's Stain kit	Himedia
4	Oxidase disc Bottle	Himedia
5	Albert Stain Reagent(1&2) Kit	Himedia

ANTIBIOTICS DISC REQUIRED

1	Amikacin 30 mcg	100x1 Himedia
2	Ampicillin Ab 10 mcg	100x1 Himedia
3	Azithromycin 15 mcg	100x1 Himedia
4	Amoxicillin clavulanic acid 18 mcg	100x1 Himedia
5	Aztreonam 22 mcg	100x1 Himedia
6	Cefuroxime 18 mcg	100x1 Himedia
7	Ertapenem 22 mcg	100x1 Himedia
8	Imipenem 23 mcg	100x1 Himedia
9	Meropenem 23 mcg	100x1 Himedia
10	Cefaperazone 75 mcg	100x1 Himedia
11	Cefixime 5 mcg	100x1 Himedia
12	Cefodoxime 10 mcg	100x1 Himedia
13	Cefoperazone 75 mcg	100x1 Himedia
14	Cefotaxim 5 mcg	100x1 Himedia
15	Ceftriaxone 30 mcg	100x1 Himedia
16	Ceftazidime 21 mcg	100x1 Himedia
17	Chloramphenicol 30 mcg	100x1 Himedia
18	Ciprofloxacin 5 mcg	100x1 Himedia
19	Clindamycin 2 mcg	100x1 Himedia
20	Co-Trimoxazole 25 mcg	100x1 Himedia
21	Doxycycline 30 mcg	100x1 Himedia
22	Erythromycin 15 mcg	100x1 Himedia
23	Gentamycin 10 mcg	100x1 Himedia
24	Levofloxacin 5 mcg	100x1 Himedia
25	Linzolid 30 mcg	100x1 Himedia
26	Minocycline 16 mcg	100x1 Himedia
27	Nilididixic 30 mcg	100x1 Himedia
28	Nitrofurantoin 100 mcg	100x1 Himedia
29	Norfloxacin 10 mcg	100x1 Himedia
30	Ofloxacin 5 mcg	100x1 Himedia

31	Oxacillin 1 mcg	100x1 Himedia
32	Piperacillin 100 mcg	100x1 Himedia
33	Tobramycin 10 mcg	100x1 Himedia
34	Tetracycline 15 mcg	100x1 Himedia
35	Vancomycin 30 mcg	100x1 Himedia
36	Cefuroxime	100x1 Himedia

7.LIST OF LABORATORY MATERIALS REQUIRED FOR RNTCP USE:

SI NO	Name of the Item	Pack Size	Brand
1	Distil Water	5ltr. Jar	
2	Basic Fuschion	25Gm/Bottle	Himedia,Ranbaxy,Merk
3	Phenol	500ML/Bottle	Himedia,Ranbaxy,Merk
4	Methylene Blue	(25Gm/Bot)	Himedia,Ranbaxy,Merk
5	Conc. Sulphuric Acid	500ML/Bottle	Himedia,Ranbaxy,Merk
6	Synthetic Oil	30 ML/Bottle	Merk
7	Diamond Pencil	Lab Use for Glass	
8	Glass rod	Big Size(min 3')	
9	Waste Bucket	foot operating plastic bucket with cover.	
10	Filter Paper		
11	Tissue paper	Rolling Type	
12	Lens paper	Book Type	
13	Sticker for sputum container	1000 Pack	
14	Glass slide	50/Pack	Himedia,Blue Star
15	Phenyl 40%	5lit	Bengal chemicals
16	Plastic dropping bottle	100ml	
17	Methylated spirit	500 ML	
18	Microscopic bulb 12 volt	Philips	
19	Slide Box 100nos rack capacity		
20	Slide box 50nos rack capacity		

21	Falcon tube		Tarson,
22	Parafilm		Tarson,
23	N95 Mass		
24	Absorbable Cotton		
25	Disposable Gloves		
26	ENAMEL TRAY		
27	Vaccine Carrier		
28	Sputum Container (5ml)		
29	Glass Funnel	Big Size(200ml)	
30	Glass Funnel	Big Size(100ml)	
31	Falcon Tube Stand	20tubes/stand	Tarson,
32	Gel Pack		
33	Brown Tape		
34	Thermo cool Box		
35	Hygrometer Digital		
36	Weight Machine (For Patients)	Min 200kg capacity	
37	Auramine O Powder,	500g	Himedia,Ranbaxy,Merk
38	Pottassium permanganet Powder	500g	Himedia,Ranbaxy,Merk
39	Ethanol (99%),	500ml/Bottle	China Made
40	HCL Concentrated,	500ml/Bottle	Himedia,Ranbaxy,Merk
41	Oxalic Acid,	500g	Himedia,Ranbaxy,Merk
42	Measuring Cylinder100ml		Borosil
43	Measuring Cylinder1000ml(Borosil)		Borosil
44	Flat Bottom Flask,500ml(Borosil)		Borosil
45	Flat Bottom Flask,2ltr(Borosil)		Borosil
46	Screw Capped Amber Colour bottle, 2ltr		Borosil
47	Screw Capped Amber Colour bottle, 500 ml		Borosil
48	Aluminum Foil for covering auromine reagent		
49	Apron XL		
50	Absorbent Paper		
51	Spray Head Bottle		
52	Thermo meter (Alcohol based)		
53	Falcon Tube Stand		
54	Surgical tray		
55	Kim Wipes		
56	Sodium Hypochlorite (4%)		
57	Induction Heater	1000 Watt	

The lab reagents should be procured in good quality from reputed firms like HIMEDIA/RANBAXY/MERK maintain quality of RNTCP with the potency,mfg Date & Exp Date clearly mentioned on the bottle.

8.EQUIPMENT, CONSUMABLES AND MISCELLANEOUS SUPPLIES FOR HWC.

Type	Items		
1. Items required for routine services			
Furniture and Fixtures	Chairs for patient waiting area		
	Bedside screen (3 fold) in LR & wards		
	Steel Almirah / Cupboard/storage chests		
	Examination table		
Clinical Material, tools and equipment	Basin 825 ml. Ss (Stainless Steel)		
	Basin deep (capacity 6 litre)		
	Instrument tray with cover 310 x 195x63mm SS		
	Dressing Drum with cover 0.945 liters stainless steel		
	Hemoglobinometer (strip/micro-cuvette)		
	Weighing Scale, Adult 125 kg/280 lb		
	Instrument sterilizer		
	Sphygmomanometer Aneroid 300 mm with cuff		
	Kelly's hemostat Forceps straight 140 mm		
	Cheatle's Forceps		
	Cheatle holder		
	Needle holder		
	Scalpel holder with blade		
	Sponge holding forceps		
	Kidney tray		
	Artery Forceps, straight, 160mm Stainless steel		
	Stitch cutter		
	Alles forceps		
	Dressing Forceps (spring type), 160 mm, stainless steel		
	Stethoscope		
	Hub Cutter/Needle Destroyer		
	I/V Stand		
	Artery Forceps-Curved		
	Digital Thermometer		
	Examination Lamp		
	Oxygen Cylinder with trolley		
	Stadiometer		
	Nebulizer		
Gauze Cutting Scissors Straight			
Lab - Diagnostic Materials	Slide drying rack		
	Specimen collection bottle		
	Micro-pipette		
	Yellow Tips for Micropipette		
	Microscope		
	Neuber Chamber		
	ESR Stand with tube		
	TC-DC Count apparatus		
	Stopwatch		
	Sickeling test kit		
	Water quality test- H2S Strip test		
	Colorimeter		
Centrifuge machine			
2. Items required for providing RMNCHA services			
Clinical Material, tools	Weighing Scale (10 Kg)		
	Vulsellum Uterine Forceps curved 25.5 cm		

2

Type	Items		
and equipment	Cusco's/Graves Speculum vaginal bi-valve		
	Sims retractor/depressor		
	Sims Speculum vaginal double ended ISS Medium		
	Uterine Sound Graduated		
	Cord cutting Scissors, Blunt, curved on flat, 160 mm ss		
	Foetoscope		
	Ambu Bag (Paediatric size) with Baby mask		
	Episiotomy Scissors		
Lab Materials	Rapid Pregnancy Testing Kit		
	Dipsticks for urine test for protein and sugar		
3. Items required for providing Speciality services			
Oral Health	Interdental cleaning aids		
	Dental Probe		
	Universal tooth extractor		
ENT	Flashlight/Torch Box-type pre-focused (4 cell)		
	Tongue Depressor		
	Mouth Gag		
	Mouth Mirror		
	Tuning fork		
	Nasal Speculum (St. Claire's)*		
	Ear Speculum – metallic, dull finish		
	Jobson-Horne probe		
Communicable diseases	Otoscope		
	Malaria Rapid Test Kit		
	Whole blood finger prick HIV Rapid Test & STI screening test		
	Typhoid rapid test kit		
NCD	Rapid test kit for Hepatitis B & C		
	Glucometer with strips and lancet		
	VIA Kit for screening cervical cancer		
Ophthalmic services	Snellen vision chart		
	Near vision chart		

Annexure-1

Technical Specification:

Baby Weighing Scale with Sling

Technical Specification:

- Should have Tough Nylon Plastic (Black) body with demonstration photos in white colour
- Capacity : Maximum load capacity should be 5kg
- Each product should be stamped by weight & measurement department.
- Should have color coded reading scale.
- Should have Zero adjustment.
- Scale should be should have inbuilt overload protection.
- Minimum graduation should not less than 500 gms.

- Scale should be fitted with an approx. 3" rod handles with non-corrosive metallic ring on top and S shaped hook at the bottom for suspending the sling bag.
- Spring used in the scale should be made of heavy duty steel spring, non-corrosive grade-II.
- Sling bag should be made of double stitched tough & tear resistant 100% polyester to weigh the baby (With load carrying capacity of at least 7 kgs.) Sling bag width at the middle of the bag: 24". Two nos. Sling bags should be provided in each baby weighing scale.

Clinical Digital Thermometer

Technical Specification:

- Digital thermometer with Fahrenheit scale.
- Safe to use, automatic, no glass, no mercury.
- Measurement accuracy: $\pm 0.2^{\circ}\text{F}$ between 98.0°F to 102.0°F
 $\pm 0.3^{\circ}\text{F}$ between 96.4°F to 98.0°F
 $\pm 0.3^{\circ}\text{F}$ between 102.0°F to 106.0°F

(Type testing certificate from lab relating to measurement accuracy need to furnished in technical bid)

- Should have auto shut off facility
- Display should be LCD type
- Beeper alarm of approx. 10 seconds sound signal when peak temperature reached.
- Average measurement time: Oral: 30 sec, Rectal: 30sec, Auxiliary: 60 sec.
- Battery operated
- Should have more than 200hrs of battery life.
- Warranty: 1 year

Technical specifications for Equipment/ Instruments for HWCs.

1. Furniture and Fixtures

Quality Standard:

- Should be CE/BIFMA/BIS approved model.
- Manufacturer should have ISO 9001 certification for quality management standards.
- Manufacturer should have ISO 14001 certification for environmental management systems.
- Manufacturer should have OHSAS 18001 certification for occupational health & safety management.
- Should furnish stainless steel grade certificate from Govt/Govt. approved testing laboratory.

- Manufacture should produce test certificate from Govt/Govt. approved laboratory for test procedure like impact test, bend test, salt spray chamber test, epoxy powder coating & phosphate coating for quoted item

Items	Specifications
Chairs for patient waiting area	<p>The chair should be heavy duty construction of three seater capacity. The frame structure shall be constructed with durable steel able to resist to rust. All joints shall be welded and all exposed surfaces shall be straight and true to line and curve. The entire structure shall be coated with a layer of anti-corrosion paint followed by another 2 finishing coats either powder coating or nylon polyester coating to withstand periodic cleaning and typical abuse.</p> <p>Color: Black and Silver Size: (L)1700mm*W550mm*480mm Approximate 10mm+/- Material: Metal</p>
Bed sight Screen (Screen Separators with stand)	<ul style="list-style-type: none"> • 3 folding partitions - 6 feet high and 6 feet long when opened • Tubular frame (CRCA tubular) mounted on 5cms high quality corrosion free castors with fine quality curtains. • Pre-Treated and Epoxy Powder coated.
Steel Almirah / Cupboard/storage chests	<ul style="list-style-type: none"> • Product Size: 900 mm (W) x 480mm (D) x 1900 mm (H) Height (Approximate 20mm+/-) • Construction & Material: Minimum 0.8 mm thick CRCA for Shelf & 0.9 mm thick CRCA for all other components. • Locking: 2 way locking mechanism with shooting bolt provided chrome plated with Handle • Shelving: Minimum 4 nos with uniformly distributed load capacity per full shelf is 40-50 Kg maximum Finished with Epoxy Polyester Powder coated.
Examination Table	<p>Technical Specification</p> <ul style="list-style-type: none"> • Overall approx size: 1820 mm L x 570mm W x 820mm H (L x W x H) ±20mm • Two section with two fold Cushion top of 3"mm thickness made of 40 density PU foam • Tubular construction, machine pressed double bend mild steel sheet • Headrest adjusted on ratchet • Legs fixed with rubber feet. • Pre-treated and epoxy powder coated • Patient load bearing capacity of 120 kgs minimum. <p>Foot Step</p> <p>The step stools shall have a maximum load capacity of 150 kg.</p> <p>Stainless steel frame shall be made of square /round steel tubing 20 x 20 mm.</p>

Items	Specifications
	<p>Should be double-step type with step heights of are 200 and 400 mm (+/-10mm) respectively.</p> <p>It should be provided with slip-resistant steps are made of black moulded polyurethane (PU) coated foam plates of minimum 15mm thickness.</p> <p>Overall dimension: 590x410x200/400 mm.</p>
I/V Stand	<p>Overall approx. size: height – 150cm-230 cm (with telescopic adjustable height)</p> <p>Main Frame: Strong & Sturdy stainless steel tubular construction mounted on four pronged tubular/rectangular base fitted with five swivel rust proof castors of 50mm diameter.</p> <p>Stainless steel rod with double hooks</p> <p>All the Stainless Steel should be of 304 grade</p> <p>Should be pre-treated and epoxy coated finish.</p>
Clinical Material, tools and equipment	
Basin 825 ml. Ss (Stainless Steel)	Basin of 825 ml. Ss (Stainless Steel)
Basin deep (capacity 6 litre)	SS Basin square/rectangular shaped of capacity 6liter.
Tray instrument/Dressing with cover 310 x 195x63mm SS,	<p>Instrument Tray with Cover</p> <p>Made of 304 grade Stainless Steel</p> <p>Size: 310 x 195x63mm</p> <p>Manufacturer should be ISO13485 approved</p> <p>Product should be BIS/CE approved</p>
Dressing Drum with cover 0.945 litres stainless steel	<ul style="list-style-type: none"> • Should be made of joint-less stainless steel of 304 grade steel of 0.5mm thickness. • Should have perforated body. • Should have chain locking with clamp to open or close the perforated body. • Size : 0.945 litres • Manufacturer should be ISO13485 approved • Product should be BIS/CE approved
Hemoglobinometer (strip/micro-cuvette)	<p>It should be a point of care instrument to measure hemoglobin.</p> <p>The unit should have LCD screen for instant display of test result.</p>

Items	Specifications
	<ul style="list-style-type: none"> • It should be Factory calibrated as per ICSH (International Council for Standardization in Hematology). Needs no further calibration • Self-checking facility should be there between every measurement • Shelf life of the test strip/cuvette should be minimum 90 days from the opening of the packet / box and at least one year from the date of manufacturing. • Measurement Range: 4gm./dL to 20gm./dL • Accuracy should be $\geq 96\%CV < 5\%$ • Sample volume; approximately 10 to 15 μL whole blood; capillary or venous blood • Minimum stored result memory :250 results • USB interface facility should be there for transfer of stored results. <p>Soft keys for user operation. It should communicate through mini-USB connector with a Computer/ laptop.</p> <p>Battery operated; The battery should support at least 500 tests.</p> <p>Each device should supplied with: 1. Cover (Wash Proof) 2. USB Cable for data transfer 3. Other items required for functioning of the machine. The cost of Device, Strips (50 Nos.) & lancets (55 Nos.) should be quoted separately in price BOQ excel format.</p> <p>Operating condition: Capable of operating continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances.</p> <p>Safety & Quality Standard: European CE or USFDA Certified. It should be Factory calibrated as per ICSH (International Council for Standardization in Hematology). The manufacturer should be ISO 13485 certified.</p>
<p>Weighing Scale, Adult 125 kg/280 lb</p>	<p>Sturdy dial type mechanical platform weighing machine for adult and children.</p> <p>Zero adjustment facility should be there.</p> <p>Sensitivity: 500 gm</p> <p>Range of weighing: 0-125kg</p> <p>The manufacturer shall have the valid manufacturing license and should have model approval by the legal metrological Deptt. and the weighing scale must be stamped by the by legal metrological Deptt. In case of distributor, the bidder should have valid distributor and repair license from legal metrological Deptt. Govt. of Odisha.</p>

Items	Specifications
	ISO. Certified manufacturer (certificate to be submitted). Warranty: 1 Year
Instrument Sterilizer	Electrically operated. Size ideally: 24x8x6 inch Should have replaceable immersion type heater ISI marked. Body should be made of SS-304 grade steel. (Test report certificate from independent laboratory should be submitted with technical bid.) Power Supply Power input to be 220-240VAC, 50Hz fitted with Indian plug Manufacturer should be ISO13485 approved Product should be BIS/CE approved
Sphygmomanometer Aneroid 300 mm with cuff	<p>Technical Specification of BP Apparatus(Aneroid)</p> <ul style="list-style-type: none"> • Corrosion resistant shock proof body, chrome plated metal/ stainless steel pressure control valve, scale 0-300 mm hg with accuracy of +/- 3mmHg • Air release at closed lap with maximum 4mmHg/Minute. • Manual setting of deflation possible upto 2/3mm Hg/sec. From 260mmHg to 15mm Hg in a maximum deflation time of 10 seconds. • Gauge's background in white colour. • Graduated scale for ever/ 2mmhg, every 10 units and every 20units. • Nylon straps cuff with pouch, latex bulb with completely chromium plated valve with regulation of vent-hole air by screw valve. • The cuff is inflated just to fit in the limb for which an inflation bulb is used to control the air pressure within the cuff. • The rubber tubes used should have an internal diameter of 3 ± 0.5mm and the external diameter should not be less than 8mm; The dial manometer with diameter of 50 mm-60mm <p>Accessories (mandatory, standard, optional)-adult arm cuffs of size medium & large and pediatric size, inflation bulb, tubing</p> <p>STANDARDS AND SAFETY Manufacturer should be ISO13485; should be USFDA, CE, BIS or UL approved product</p>
Surgical Instruments	<p>Quality standard (Applicable to all surgical instruments): Instruments should be made up of stainless steel medical grade AISI 410 & 420. Test reports should be submitted in the technical bid. Part No. and the CE Mark must be engraved/Embossed on the instrument. Sample demonstration Instrument should cover 2 years replacement warrantee. All the instruments should be autoclavable</p>
Kelly's Forceps	Kelly's hemostat Forceps straight 140 mm
Cheatle's Forceps with Holder	Cheatle's Forceps 10" with SS Holder

Items	Specifications
Needle Holder	Needle holder -8inch
Scalpel holder with blade	Central Store supply
Sponge holder	Sponge holding forceps 8" with double action Jaws
Kidney tray	Kidney tray,8"
Artery Forceps, straight, 160mm Stainless steel	Artery Forceps, straight, 160mm Stainless steel
Stitch cutter	Stitch cutting size with round handle double action jaw of 6 inch.
Allis forceps	Tissue Forceps finger ring, ratcheted forceps straight with 5x6 teeth and an overall length of 7-1/2 inches.
Dressing Forceps (spring type), 160 mm, stainless steel	Dressing Forceps (spring type), 160 mm, stainless steel
Stethoscope	<p>Stethoscope of standard size, chromium plated metal binaural, V rubber tube in one piece. Rotating piper fitting for both flip functions. Doubleheadpaediatric&Adult stethoscope.</p> <ul style="list-style-type: none"> • Extra-soft, replaceable and pivot able ear-tips for perfect sealing at the ear canal. • Designed with Precision chest-piece made of stainless steel/ chromed brass. • Good quality diaphragm of minimum -Ø-45mm • High quality membrane for precise acoustics with non-chill rims for improved adaptation on the skin and for excellent sound transmission. • Length should be 27" to 29 with preferable colour -black. • The Y-tube should be made of Latex-free treated rubber. <p>Easy to dismantle, and therefore to clean and disinfect. Manufacturer should be ISO13485 approved Product should be BIS/CE approved</p>
Hub Cutter and Needle Destroyer	<ul style="list-style-type: none"> • Should be lightweight, portable & compact. • Housing should be moulded type, shock proof and made of ABS plastic/Stainless steel of 304 Grade. • Should be provided with removable discharge tray for easy disposal of syringe hubs. • Should have provision to burn the needle and cut the syringe tip. • Should have high Carbon Steel cutter to cut the syringe tips. • Should able to cut and destroy the needle up to 18G. • Should able to destroy minimum of 5 injection needles on

Items	Specifications
	<p>continuous operation.</p> <ul style="list-style-type: none"> • Should have heavy duty transformer. • Should have power ON/OFF switch with visual indication. • Should be properly insulated for protection from electric hazards. • Should have fuse protection with 5no.of fuse to be supplied of adequate rating. <p>Power Supply: Power supply should be 220-240 V AC, 50Hz with Indian plug. Manufacturer should be ISO13485 approved Product should be BIS/CE approved</p>
Artery Curved	<p>Forceps- Artery Forceps 5"Curved double action jaw ratcheted with ring handle double action jaws.</p>
Gauze Scissors	<p>Cutting Angled with the lower blade being slightly longer & tip of the lower blade features a flattened blunt nodule to slide between bandages and skin without harming the skin. Size:5"</p>
Digital Thermometer	<p>Range of temperature measurement 320C- 420 (89.60F-109.40F). Can be calibrated in both centigrade and Fahrenheit, but if only one option is available, then Fahrenheit is preferable. Buzzer signal function. Takes 10-15 seconds to measure temperature. Can be used in the armpit/axilla, orally and rectally. Accuracy of temperature ± 0.1degC and ± 0.2 F. User's interface :LCD display Manufacturer should be ISO13485 approved Product should be BIS/CE approved</p>
Examination Lamp	<ul style="list-style-type: none"> • Source of Light: LED light • Illumination(lx) should be LED • Minimum 25,000 Lux at a working distance of .5m • Radial and axial movement of the lamp • Colour temperature: minimum 4000K • Minimum Diameter of the spot 5cm • Flexible Light pipe for easy positioning of minimum length of 1meter. • Lamp Life of minimum 30000 hrs • CRI>90 • Power Requirements-Recharging unit: Input voltage- 220V-240V AC, 50Hz <p>Should be USFDA/CE approved model. Manufacturer should be ISO 13485 certified.</p>

Items	Specifications
	Electrical safety conforms to the standards for electrical safety IEC 60601-1 General requirements (or equivalent BIS Standard)
Oxygen Cylinder with trolley	Central Store Supply
Stadiometer	<ul style="list-style-type: none"> The measuring rod can be dismantled into several pieces and can be set easily. The scale must be printed along the side of the measuring rod. Measuring range (Both in cm & inch): 20-205 cm and 8 - 81". Graduation of measuring rod: 1mm / 8inch. The structure should be made of ABS plastic. The product should be CE certified (certificate to be submitted in technical bid) Warranty : 1 Year
Nebulizer	<p>Should be of Heavy duty compact Nebulizer Heavy duty ,Compact, lightweight, low noise(50dB+ 3dB) Durable long life compressor. Suitable for heavy duty/ institutional (hospital) use, should be able to run uninterruptedly for one hour. Max Pressure = 2.0-2.5 bars Operating pressure: 1to 1.5bars Compressor Air flow:8Lpm Normal Air Flow:4lpm Should produce particle of size 1-5 micron. Mass median Diameter (MMD) =2.5-3m. Output rate: 500gm/Min. Made of Heavy duty ABS body Power Supply: Power input to be 220-240VAC, 50Hz fitted with Indian plug Should be USFDA/CE approved model. Manufacturer should be ISO 13485 certified. Electrical safety conforms to the standards for electrical safety IEC 60601-1 General requirements (or equivalent BIS Standard)</p>
Lab -Diagnostic Materials	
Slide drying rack	<p>Acrylic slide rack, inclined, used for draining/drying slides.</p> <p>5 slots accommodate 25 slides.</p>
Specimen collection bottle(100/pack)	Central Store
Micropipette	<ul style="list-style-type: none"> Should have ergonomic design with light & smooth plunger action Should have soft feel handle grip having both left & right hand operation Pipette handle should have thermoplastic elastomeric to prevent transfer of body heat to pipette volume during continuous usage Fully autoclavable: Entire pipette can be steam autoclaved at temp.

Items	Specifications
	<p>Of 121 0C</p> <ul style="list-style-type: none"> • Should have larger & clear 3 digit display giving smaller increment for wider selection of volume • Volume range should be of 1-10ml with increment of 20 µl • Accuracy: 1 to 2% • Should have locking mechanism to prevent accidental volume change during pipetting • Should have one hand eject facility • Should have in house clinical, repair and calibration facility • The tip cone should have leak free operation, smooth and light loading operation with choice of using variety of tips. • Should be compatibles to universal tip types • Should be available with different color codes. • Warranty: 3years. <p>Quality Standards:</p> <ul style="list-style-type: none"> • Should be USFDA/CE (IVD) approved product • Manufacturers should have ISO 13485 certification for quality standards • Should be applied with individual QC & calibration report according to ISO 8655
Yellow Tips for Micropipette	<p>Pipette tips should be designed to fit and function on a wide variety of single or multichannel pipettes. It should be manufactured from the finest grade polypropylene material for proper fit and straightness. Packaging: Sterile wrapped racks.</p> <p>Quality Standards: The item should be CE certified Manufacturer should be ISO 13485 Certified</p>
Microscope	<p>GMDN name : Binocular Microscope</p> <p>A. General Use</p> <ul style="list-style-type: none"> • Clinical purpose: Binocular microscope is simply a microscope that lets the viewer use both eyes. The microscope has 2 eye lenses. The development of the double eye piece microscope was adapted to reduce the eyestrain and muscular strain that typically results from traditional microscopes. • Used by clinical department/ward: Clinical labs <p>B. Technical Characteristics</p> <ul style="list-style-type: none"> • Technical characteristics (specific to this type of device) <ul style="list-style-type: none"> ▪ Body-Single mould sturdy stand, inclined Binocular body 30 °, 360° rotatable head

Items	Specifications
	<ul style="list-style-type: none"> ▪ Eyepieces-Highest quality 10X/20mm wide angle anti fungus field eyepiece. One with pointer. Diopter adjustment must be present on both eye pieces. ▪ Objectives-Parfocal, antifungus coated 4x, 10x, 40x and 100x (oil immersion) with semi planner achromatic correction. Objective should be well centred even if their position on turret is changed. ▪ Optical system-Infinity corrected ▪ Stage - Double plate rackless horizontal mechanical stage preferably 100 x 140 mm with fine vernier graduations designed with convenient coaxial adjustment for slide manipulation preferably through 30 x 70 mm double slide holder ▪ Sub stage-Abbe condenser focusable, continuously variable iris diaphragm ▪ Illuminator-Built-in LED light source with white light with intensity control and LED life of more than 10,000 Hrs.Colour Temperature minimum: 4000K. ▪ Finish-A durable textured acid resistant finish. ▪ Battrey backup: minimum 1 Hour ▪ Nose piece: Backward tilted revolving nose piece suitable to acomodate four objectives with click stop and rubber grip. ▪ Focussing: Coaxial coarse and fine focussing knob, capable of smooth, fine focussing movement sensivity; minimum: 300 micron; focussing stop for slide safety ▪ 12-Objectives: All DIN type <p>Plan Achromatic (Anti Fungus)</p> <ul style="list-style-type: none"> ▪ 04xN.A .01 WD 6.50mm ▪ 10x N.A 0.25 WD 5.6mm ▪ 40x N.A 0.65 WD .6mm ▪ 100x (Oil).N.A 1.25 WD .13mm <ul style="list-style-type: none"> • User's interface : Manual • Software and/or standard of communication (where ever required) : NA <p>C. Physical Characteristics</p> <ul style="list-style-type: none"> • Dimensions (metric) : NA • Weight (lbs, kg) : NA • Capacity:NA • Noise (in dBA) : NA • Heat dissipation: NA • Mobility, portability: Portable <p>D. ENERGY SOURCE :(Electricity)</p> <ul style="list-style-type: none"> • Power Requirements: Input voltage- single • Battery operated: Yes with 1hour backup • Tolerance (to variations, shutdowns): NA • Pressure gauge : NA • Operating pressure: NA • Sterilizing pressure: NA • Protection: Should have over-charging cut-off with visual

Items	Specifications
	<p>symbol.</p> <ul style="list-style-type: none"> • Power consumption : less than 2 Watt <p>E. Accessories, Spare Parts, Consumables</p> <ul style="list-style-type: none"> • Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system) : Should provide with wooden storage box, dust cover, immersion oil. <p>F. Environmental and Departmental Considerations</p> <ul style="list-style-type: none"> • Atmosphere / Ambiance (air conditioning, humidity, dust ...) <p>Operating condition: Capable of operating continuously in ambient temperature of 10 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances.</p> <p>Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%."</p> <ul style="list-style-type: none"> • User's care, Cleaning, Disinfection & Sterility issues: <ul style="list-style-type: none"> ▪ Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover. ▪ Sterilization not required." <p>G. Standards and Safety</p> <ul style="list-style-type: none"> • Certificates (pre-market, sanitary, ..); Performance and safety standards (specific to the device type);Local and/or international <ul style="list-style-type: none"> ▪ Should be US FDA/CE (from a Notified body)/BIS approved product. ▪ Manufacturer should have ISO 13485 certification for quality standards. ▪ Electrical safety conforms to the standards for electrical safety IEC 60601-General requirements (or equivalent BIS Standard) ▪ Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety. <p>H. Training and Installation</p> <ul style="list-style-type: none"> • Pre-installation requirements: nature, values, quality, tolerance <ul style="list-style-type: none"> ▪ Availability of 5 amp socket; ▪ Safety and operation check before handover; • Requirements for sign-off : Certificate of calibration and inspection from the manufacturer • Training of staff (medical, paramedical, technicians) <ul style="list-style-type: none"> ▪ Training of users on operation and basic maintenance; ▪ Advanced maintenance tasks required shall be documented <p>I. Warranty and Maintenance</p> <ul style="list-style-type: none"> • Warranty: 3 years • Maintenance tasks: CMC 5 years, 2 PM Visits Annually. <p>All Breakdown calls to be attended within 24 hrs of registration."</p> <ul style="list-style-type: none"> • Service contract clauses, including prices : The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee / warranty period should be attached;

Items	Specifications
	<p>J. Documentation</p> <ul style="list-style-type: none"> • Operating manuals, service manuals, other manuals "Should provide 2 sets(hardcopy and soft-copy) of:- <ul style="list-style-type: none"> ▪ User, technical and maintenance manuals to be supplied in English/Hindi language along with machine diagrams; ▪ List of equipment and procedures required for local calibration and routine maintenance; ▪ Service and operation manuals (original and copy) to be provided; ▪ Advanced maintenance tasks documentation; ▪ Certificate of calibration and inspection" • Other accompanying documents: List of important spares and accessories, with their part numbers and cost; <p>K. Notes</p> <ul style="list-style-type: none"> • Service Support Contact details (Hierarchy Wise; including a toll free/landline number) "Contact details of manufacturer, supplier and local service agent to be provided; <p>Any Contract (AMC/CMC/add-hoc) to be declared by the manufacturer;"</p> <ul style="list-style-type: none"> • Recommendations or warnings Any warning signs would be adequately displayed
Neuber Chamber	<p>The counting grid is of 3mmx 3mm in size.</p> <ul style="list-style-type: none"> • The grid should have 9 square subdivisions of width 1mm. • The central square should be spilt into 25 squares of width 0.2mm (200µm) • The haemocytometer should have two cover slips • The glass cover should be of squared shaped of width 22mm • Material: Thermal and shock resistant glass • The chamber should have two special clamps to avoid the cover glass to avoid edge-lift. <p>Pipette</p> <p>The pipette should be made of glass of maximum capacity of 20,200 and 2000µl.</p> <p>Dimensions (metric): length-300mm +/-10mm, 2mm thickness.</p> <p>Autoclaving at 121 degree centigrade</p> <p>Should be resistance to mechanical, chemical and over heating.</p> <p>STANDARDS AND SAFETY:</p> <ol style="list-style-type: none"> 1. Should be ISO 648/IS 117 approved product. 2. Manufacturer and Supplier should have ISO13485/ ISO 9001 certification for quality standards. 3 Certificate of calibration from the manufacturer 4. The product should be USFDA/ CE marked
ESR Stand with tube	<p>. ESR Stand with Tubes</p> <ul style="list-style-type: none"> ➤ Screw type stand with cast iron base and highly nickel plated ➤ The base shall have minimum 5tube holder ➤ 2nos spare tubes should be provided with the ESR stand. ➤ The witrobes tube should be made of Soda-lime Glass/borocilicate glass material.

Items	Specifications
	<ul style="list-style-type: none"> ➤ Dimension: <ul style="list-style-type: none"> • 110 to 120mm mm Length • 2.9mm to 3 mm inside Diameter • 7.0mm to 8.0mm outer diameter. ➤ The uniformity of the bore shall be ± 0.1 mm throughout the tube. ➤ The tube shall be graduated from 0 to 105mm ± 0.25 mm in 1-mm divisions and numbered every 1 cm from the inside bottom of the tube. ➤ The tube shall be legibly marked with the manufacturer's or vendor's name or mark and possess a frosted area for marking purposes. ➤ Open at both ends; cotton plugged ➤ Calibration in yellow/white for easy reading. ➤ It should have good chemical resistance towards acids, salt solutions and organic solutions. ➤ Can be easily cleaned with distle water. ➤ It should be autoclavable. <p>Quality Standards:</p> <ul style="list-style-type: none"> ➤ The item should be CE certified with marking ➤ Manufacturer should be ISO 13485 Certified
TC-DC apparatus Count	<p>TC-DC Count apparatus: All metal case housing, durable, Chemical resistant easy to clean and disinfect. Stable and wide base with rubbuer feet Should be 8-Key model with dual reset mount Should have totalizer window Should have WBC maturation series picto-stip chart just above the key window</p>
Stopwatch	Stopwatch for Laboratory use
Sickling test kit	<p>Kit consists of R1-2x20ml(Solubility buffer) R2-2 vials (Solubility reagent-Sodium Dithionite) Empty reaction tube-20nos Result reading stand-1 Reagent dropper-2 Sample dropper-20 Rubber teat-2 Pack insert-1</p>
Water quality test- H2S Strip test	<ul style="list-style-type: none"> • Sensitivity: 5, 10, 20, 30, 40, 50, 60 and 80 ppm (mg/L) • Test time: 30 seconds • Bottle of 50 test strips
Colorimeter	<p>Digital colorimeter for clinical biochemical test. Digital Colorimeter with auto zero facility displaying test result. Easy operation with auto storage facility of concentration.</p>

Items	Specifications
	<p>Wavelength: 410, 470, 490, 520, 540, 580, 610 & 640 nm Photometric range :%of Transmission 0 to 100 Absorbance -0.0 to 1.5 Abs Repeatability ± 0.01 Abs Sample volume:1ml Light source: Halogen/LED Sample Holder :75 x 12 mm ± 0.5 mm Test tube with 10 mm Path Length With shutter. The manufacturer should be ISO13485 approved Product should be CE certified Product should be safety compliance to IEC 61010</p>
Centrifuge machine	<p>Centrifuge Table Top- 4tube GMDN name : Centrifuge 1 USE 1.1 Clinical purpose: Used in Biochemical and Analytical labs for Hematocrit, blood Corpusule percentage, Serum Analysis, Precipitate Seperation and Blood Group matching. 1.2 Used by clinical department/ward: Analytical Laboratories TECHNICAL 2 TECHNICAL CHARACTERISTICS 2.1 Technical characteristics (specific to this type of device) "</p> <ul style="list-style-type: none"> • Speed: Maximum Range 3000 to3500RPM • Receproating Centrifugal force (RCF): 1500 to 1600 • Minimum Capacity: 60ml • Digital Timer range: 0 to 30 minutes with Hold Function • Auto Lid interlock to prevent opening while running centrifuge with emergency lidlock release. • The lid will be only opened once the motor is completely stop. • Digital display of RPM • Stainless steel Chamber easy to clean • Hinges to prevent door falling • Rotor Head Sizes: 4x 15ml.Rotor Head: Angle rotor • Rotors should be autoclavable • The unit should be vibration free." • Noise level <60dB. <p>2.2 User's interface Manual 2.3 Software and/or standard of communication (where ever required) NA 3 PHYSICAL CHARACTERISTICS</p>

Items	Specifications
3.1	Dimensions (metric) NA
3.2	Weight (lbs, kg) NA
3.3	Capacity 120 ml or above
3.4	Noise (in dBA) NA
3.5	Heat dissipation Heat Dissipation: Should maintain nominal Temp and the heat should be disbursed through an cooling mechanism
3.6	Mobility, portability Portable
4	ENERGY SOURCE (electricity, UPS, solar, gas, water, CO2)
4.1	Power Requirements "220-240 V/50Hz
4.2	Battery operated No
4.3	Protection NA
4.4	Power consumption 100 to 200 Watts
5	ACCESSORIES, SPARE PARTS, CONSUMABLES
5.1	Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system) Rubber adapter should be provider for the use of vacutainer for 3ml and 5ml
6	ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS
6.1	Atmosphere / Ambiance (air conditioning, humidity, dust ...)
	<p>1)Operating condition: Capable of operating continuously in ambient temperature of 10 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances.</p> <p>2)Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%."</p>
6.2	User's care, Cleaning, Disinfection & Sterility issues
	"1)Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover.
	2) Sterilization not required."
7	STANDARDS AND SAFETY
7.1	Certificates (pre-market, sanitary, ..); Performance and safety standards (specific to the device type);Local and/or international "
	1. Should be FDA/CE(From a notified body) as per IVD /BIS approved product.
	2. Manufacturer and Supplier should have ISO 13485 certification for quality standards.
	3. Certified to be compliant with IEC 61010-1,IEC 61010-2-20 for safety. General requirements"
	IEC 61010-2-020 "Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-020: Particular requirements for laboratory centrifuges" "
8	TRAINING AND INSTALLATION
8.1	Pre-installation requirements: nature, values, quality, tolerance "
	1) Availability of 5 amp socket;
	2) Safety and operation check before handover;
8.2	Requirements for sign-off Certificate of calibration and