

SECTION -II

SPECIFICATION
Page No-1

List of Items (LAB ITEMS) OF

Sl. No.	Reagents / Chemicals / RDK etc.	Unit of measure	Unit / Pack Size	Mfd Firm
1	(N/10) Hydrochloride Solution (Haemoglobin Estimation)	ml	500/bot	
2	Haematology test under microscope			
2.1	WBC Diluting Fluid (TLC)	In ml	100ml/bot	
2.2	Total Eosinophil Count Fluid	In ml	100ml/bot	
2.3	RBC Diluting Fluid (Total Blood Cell Count)	In ml	100ml/bot	
2.4	Platelet diluting Fluid (Platelet Count)	In ml	100ml/bot	
2.5	Distil Water	In ml	5lt	
		In ml	10ml	
		In ml	5ml	
3	Blood Grouping (ABO-RH typing)			
3.1	Anti-A	In ml	10ml	
3.2	Anti-B	In ml	10ml	
3.3	Anti-AB	In ml	10ml	
3.4	Anti-D	In ml	10ml	
3.5	Anti-H	In ml	10ml	
3.6	Anti-A1	In ml	10ml	
3.7	Bovin Albumin	In ml	10ml	
3.8	Antigen for Red Cell Pannel	In ml	10ml	
4	JSB Stain-I, JSB Stain-II (Malaria Parasite)	In ml	500ml/bot	
		In ml	100ml/bot	
5	3.8% Sodium Citrate Solution (ESR)	In ml	500ml/bot	
6	Coombs Reagent (Direct & Indirect) (AHG Anti C3d monoclonal)	In ml	10ml/bot	
		In ml	5ml/bot	
7	Laboratory Stain (, Leishman Stain)			
7.1	Leishman Stain	In ml	500ml/bot	
8	Immersion Oil (synthetic)	In ml	30	
9	Occult Blood(card)	Each		
10	PT Reagent (Prothombin Time)	In ml		
11	Mantux 5TU	In ml	10ml/bot	
12	Mantux 10TU	In ml	10ml/bot	
13	Sickling Antigen	In ml		
14	Methanol	In ml	500ml/bot	
15	Sulphor powder	Powder	500gm/bot	

16	Benedicts Solution	In ml	500ml/bot	
17	Glacial Acetic Acid	In ml	500ml/bot	
18	Phenol	Crystal	500gm/bot	
19	Immersion Oil	ml	30ml/bot	
20	Concentrated Sulphuric Acid	In ml	500ml/bot	
21	Basic Fuchsin	Powder	25gm/bot	
22	Methylene Blue Powder	Powder	25gm/bot	
23	Di-ethyl Ether	In ml	500ml/bot	

RAPID AND PACKED KITS

Sl. No.	Reagents / Chemicals / RDK etc.	Unit of measure	Unit / Pack Size	Mfd Firm
1	RPR Card (Syphilis)	Each		
2	HIV Rapid	Each		
3	Rheumatois Factor (Rh Typing)(Antigen)	In ml	35 test	
4	ASO(Antigen)	In ml	35 test	
5	HbsAg (Rapid card)	Each		
6	CRP(Antigen)	In ml	35 test	
7	Uri-Stick(2 parameter)	In Unit	100/pkt	
8	Pregnancy Kit	Each		
9	Widal Kit(card)	Each		
10	Widal (Antigen)(O,H,AH,BH)	In ml	5ml/each	
11	Malaria Rapid kit	Each		
12	Elisa reagent for Dengu	In unit	96 well	
13	Dengue card	In Unit	100	
14	Toxoplasma (Rapid card)	Each	50/pkt	
15	Hepatitis C Card Test(Hcv)	Each	50/pkt	
16	Trop-T	Each	10/pkt	
17	H2S Strip	In unit		
BIOCHEMICAL REAGENTS (SEMI AUTO & FULLY AUTO ANALYZER)				
1.a	Blood Sugar Reagent	In ml	1000	
		In ml	500	
1.b	Blood sugar (Glucometer Strip)	In Unit	100	
		In Unit	50	
		In Unit	25	
		In Unit	25	

1.c	Blood sugar (Glucometer Strip with Lancet)	In Unit	115	
		In Unit	55	
		In Unit	30	
2	Blood urea	In ml	100ml/bot	
		In ml	200/ml/bot	

3	S.Creatinin	In ml	100ml/bot	
		In ml	200ml/bot	
4	S.Bilirubin (T)	In ml	1000	
		In ml	200	
		In ml	100	
5	S.Bilirubin (D)	In ml	200	
		In ml	100	
6	SGOT	In ml	100	
		In ml	50	
7	SGPT	In ml	100	
		In ml	50	
8	S.Alkaline Phosphate	In ml	100	
		In ml	50	
9	Serum Total Protein	In ml	50	
		In ml	100	
10	Serum Albumin	In ml	100	
		In ml	50	
11	S. Calcium	In ml	50	
		In ml	100	
12	S. Pottasium	In ml	50	
		In ml	100	
13	S. Sodium	In ml	50	
		In ml	100	
14	S. LDH	In ml	50	
		In ml	100	
15	S. Amylase	In ml	50	
		In ml	100	
16	S. Uric Acid	In ml	50	
		In ml	100	
17	S. Cholesterol	In ml	50	
		In ml	100	
18	S. Triglyceride	In ml	50	
		In ml	100	
19	S. VLDL	In ml	100	
		In ml	50	
20	S. HDL	In ml	100	
		In ml	50	


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OTHER CONSUMABLES				
Sl. No.	Reagents / Chemicals / RDK etc.	Unit of measure	Unit / Pack Size	Mfd Firm
1	Glass Slide	In unit	50/box	
2	Micro Tips: 1000 micron	In unit	1000/pkt	
3	Micro Tips: 200 micron	In unit	1000/pkt	
4	Urine Vial (5ml)	Each		
5	Urine Vial sterile (20ml)	Each	each	
6	NVEDTA K3 2ml Sample Tube	Each	2ml/each	
7	NVEDTA K2 2ml	Each	2ml/each	
8	Test Tube (10ml)	In Unit	Each	
9	Test Tube (5ml)	In Unit	Each	
10	Test Tube Stand	In Unit	Each	
11	Test tube holder	In Unit	Each	
12	Clotting Activator tube	In Unit	Each	
13	ESR Stand with glass tube	In Unit	Each	
14	ESR Tube Disposable	In Unit	Each	
15	Micro Pipette (10-200)	In Unit	Each	
16	Micro Pipette (5-50)	In Unit	Each	
17	Micro Pipette (10-100)	In Unit	Each	
18	Micro Pipette (100-1000)	In Unit	Each	
19	Tissue paper roll	In Unit	roll	
20	Fluoride vial	In Unit	Each	
21	Spirit Lamp	In Unit	Each	

22	Sodium Citrate Vial(3.8%)vial for ESR	In Unit	Each	
23	Glass Bikar(50ml)	In Unit	Each	
24	Staining Tray	In Unit	Each	
25	Staining rod	In Unit	Each	
26	Slide box(50 box)	In Unit	Each	
27	Capillary tube for BT/CT	In Unit	Each	
28	Vial Stand	In Unit	Each	
29	Cover Slip	In Unit	pkt	
30	Microscope Bulb(6 volt)	In Unit	Each	
31	Falcon Tube	In Unit	Each	
32	Thermocool Box	8x6&6x6	Each	
33	Aluminium Tray	In unit	Each	
34	Parafilm	4Inchx125ft	pkt	
35	Vaccine Carrier	In Unit	Each	
36	Falcon Tube Holder	In Unit	Each	
37	Measuring Cylinder	In Unit	500ml/each	
38	Glass Funnel			
39	Lens Cleaning Tissue Paper(Book)	In Unit	Each	
40	Diamond Marker	In Unit	Each	
41	Beaker	In unit	500ml/each	
42	Conical Flask	In unit	500ml& 1lt	
43	Wash Bottle	In unit	500ml/each	
44	Gel Pack	In unit		
45	Spray Bottle	In unit	500ml/each	
46	Heamocytometer	In unit	Each	
47	Sputum Container	In unit	Each	

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Technical Specification of SECTION-II(A)

1. Hemoglobin Estimation:

Reagent/Chemicals:

- ❖ (N/10) Hydrochloride Solutions (HCL)
- ❖ Pack Size: 500ml/1000ml
- ❖ Packed in a narrow mouth polyethylene bottle.
- ❖ Manufacturer should be ISO 13485 certified
- ❖ Product should be CE certified as per IVD directive

2. Total Leukocytes counts-

Chemicals:

- ❖ WBC Diluting Fluid
- ❖ pH value within 2.00-2.40
- ❖ Concentration:
- ❖ Pack Size: 100ml/500ml
- ❖ Packed in a narrow mouth high density polyethylene bottle.
- ❖ Manufacturer should be ISO13485 certified
- ❖ Product should be CE certified as per IVD directive

3. Different Leucocytes Count

4. Malaria parasite:

1 JSB Stain-I

- i. Methylene Blue (Medicinal) : 0.5 gm
- ii. Sulphuric Acid (H₂SO₄) 1% : 3 c.c.
- iii. Potassium Dichromate (K₂Cr₂O₇): 0.5 gm
- iv. Disodium Hydrogen Phosphate: 3.5 gm Dehydrate (Na₂HPO₄2H₂O)
- v. Distilled Water: 500 c.c.

2 JSB Stain-II

- i. Eosin Yellow (Water soluble): 1.0 gm
- ii. Distilled water: 500 c.c.

ii) **Packing:** Each bottle of JSB Stain-I & II will contain 125 ml of stain in a glass or plastic bottle.

- ❖ Manufacturer should be ISO13485 certified
- ❖ Product should be CE certified as per IVD directive

5. E.S.R (Erythrocyte Sedimentation Rate):

❖ 3.8% Sodium Citrate solution

- ❖ PH vale lies between 7.8-8.0
- ❖ Concentration : 3.70%- 3.90%
- ❖ Pack Size: 100/500ml
- ❖ Packed in a narrow mouth high density polyethylene bottle.
- ❖ Manufacturer should be ISO13485 certified
- ❖ Product should be CE certified as per IVD directive

6. Distilled water.

- Laboratory grade distil water
- micron filtered
- pH value :5-7.5
- Packed in transparent

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7. Blood Grouping (ABO-RH typing)

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ANTI-A	Monoclonal IgM reagent for forward grouping	Anti A consists of blood grouping reagent for slide and tube tests. The reagent is murine monoclonal IgM for forward grouping. Ready to use solution containing IgM (murine monoclonal) class antibodies specific to the 'A' antigen on the R.B.C Specificity: ANTI-A-100% to A , and A antigens Pack Size:5ml/10ml Unopened kit:2-8OC Opened kit : 2-8OC Self-life:24months
ANTI-B	Monoclonal IgM reagent for forward grouping	Anti B consists of blood grouping reagent for slide and tube tests. The reagent is monoclonal IgM for forward grouping. Ready to use solution containing IgM (murine monoclonal) class antibodies specific to the 'B' antigen on the R.B.C Specificity: ANTI-B-100% to B antigens, negative reaction with Acquired B characteristics Pack Size:5ml/10ml Unopened kit:2-8OC Opened kit : 2-8OC Self-life:24months
ANTI-A,B	Monoclonal IgM reagent for forward grouping	Anti A,B consists of blood grouping reagent for slide and tube tests. The reagent is monoclonal IgM for forward grouping. Ready to use solution containing IgM (murine monoclonal) class antibodies specific to the 'A' and 'B' antigens on the R.B.C Specificity: ANTI-A,B-100% to A and B antigens, negative reaction with Acquired B characteristics Pack Size:5ml/10ml Unopened kit:2-8OC Opened kit : 2-8OC Self-life:24months
ANTI-D	Polyclonal IgG reagent for Rh (D) typing	Anti D (IgG) consists of blood grouping reagent for slide and tube tests. The reagent is monoclonal IgG for Rho (D) typing & Du testing. Ready to use solution containing IgG (human monoclonal) class antibodies specific to the 'D' antigen on the R.B.C Specificity: ANTI-D (IgG) - 100% to Rho(D) antigen Unopened kit:2-8OC Opened kit : 2-8OC Self-life:24months
ANTI-H	Monoclonal IgM reagent for Rho (D) typing	Anti H (IgM) consists of blood grouping reagent for slide and

		<p>modified tube tests. Used for recognition of the H antigen on human red blood cells. It is useful, especially for assessing the H secretor status of group 'O' individuals and also in differential grouping of A subgroup along with Anti- int A lectin.</p> <p>Ready to use solution containing IgM (human monoclonal) class antibodies</p> <p>Specificity: Negative reacting with 'O' phenotype</p> <p>Reactivity: Graded reactivity with different red cells, O>A >A B>B>A >A B</p> <p>Unopened kit:2-8OC Opened kit : 2-8OC Self-life:24months</p>
ANTI-A1	Monoclonal IgM reagent for Rho (D) typing	<p>Used for differentiation of A1 and A2 subgroups and can be used either for slide or tubetest.</p> <p>Specificity:A1 antigen on human RBCs</p> <p>Unopened kit:2-8OC Opened kit : 2-8OC Self-life:24months</p>
Bovine Albumin for Grouping & Cross matching		<p>Bovine Albumin is primarily used to enhance the reactivity of blood group antibodies, either in direct agglutination tests or indirect antiglobulin test.</p> <p>Pack sizes 5 ml/10ml dropper vial.</p> <p>Stability : at 2-80 C</p> <p>Self-life: 24 months.</p> <p>The reagent should contain 0.1% sodium azide as a preservative.</p> <p>protein concentration : Adjustable to 22%</p> <p>Adjustable pH of 7.1(± 0.1)</p>
Antigen For Red Cell Panels	Used to detect expected ABO blood group antibodies in patient and donor samples.	<p>High quality 3% & 5% Reagent Red Blood Cells.</p> <p>Four-vial set consisting of one vial each of A1, A2, B, and group O cells.</p> <p>Vial of 4x10ml</p>
<ul style="list-style-type: none"> ❖ Manufacturer should be ISO13485 certified ❖ Product should be CE certified as per IVD directive 		

8. Total Eosinophil count: Absolute Eosinophil Count fluid, size: 100ml, stable at Room temperature.

9. Total red blood Cell Count: RBC diluting Fluid, Size: 100ml, stable at Room temperature.

10. Platelet Count: Platelet Diluting Fluid, 100ml, stable at Room Temperature.

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11. Packed Cell Volume:

1. Graduated Wintrobe Tube. Length of 110 mm and has 100 markings, each at the interval of 1 mm. Internal diameter is 3 mm. It can hold about 3 ml of blood.

2. Pasteur pipette with a rubber bulb and a sufficient length of capillary to reach the bottom of the Wintrobe tube.

- ❖ Manufacturer should be ISO13485 certified
- ❖ Product should be CE certified as per IVD directive
- ❖ Packet of 10 nos

12. Occult Blood: The FOB Rapid Test Device (Feces) is a rapid visual immunoassay for the qualitative presumptive detection of human hemoglobin in human fecal specimens. This kit is intended to be used as an aid in the diagnosis of lower gastrointestinal (g.i.) pathologies.

KIT COMPONENTS

- Individually packed test strips: Each strip contains colored conjugates and reactive reagents pre-spread at the corresponding regions.
- Specimens' collection cards: For specimens collection use.
- Specimen's dilution tube with buffer: Each contains 2 ml of 0.1 M Phosphate buffered saline (PBS) and 0.02% sodium azide.
- Storage Condition:
- Self-life:

Laboratory Stains

1. Leishman : Pack size of 250ml/500ml/1000ml, Buffer solution pH value lies: 6.4-7.00, Self life minimum 12months.

13. Coombs Reagent (Direct & Indirect)

Kit for Anti human Globulin Serum with monoclonal Anti C3d for Direct and Indirect Coombs test;

- ❖ Ready to use reagent containing antibodies reactive with human complement component C3d.
- ❖ The anti-complement antibodies are IgM class monoclonal and they impart the required sensitivity.
- ❖ Pack Size: 5ml/10ml
- ❖ Self-life: One year
- ❖ Supplied with Coombs Control solution of 5ml pack

AHG Anti C3d monoclonal

1. Antisera must be appropriate for tube technique
2. Should give clear positive reactions with appropriately sensitized cells
3. Should give clear negative reactions with unsensitized cells
4. should not haemolyse the cells.
5. Should not produce rouleaux
6. Titer :
 - a. For polyspecific minimum 128 for IgG and minimum 4 for C3d;
 - b. for monospecific anti-IgG minimum 256
 - c. for monospecific Anti C3d minimum 16
7. Must be evaluated and approved by NIB and IVD (EC)

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Technical Specification Rapid test Kits

Quality Standard:

The following standards and criteria's are applicable to all the following products.

- The bidder/manufacturer shall furnish a certificate from the competent FDRA (Food and Drug Reactions anaphylaxis) that the manufacturer of the pharmaceutical or vaccine product covered by this Invitation for Bids is licensed to manufacture these products
- All products must meet the requirements of manufacturing legislation and regulation of pharmaceuticals or vaccines in the country of origin.
- Must undergo strict raw material inspection, in process checks, appropriate material handling to eliminate cross contamination (of molecules) and final product testing to ensure quality and consistency of the products.
- All reagents/Rapid KITS should be with suitable control.
- The manufacturer should be ISO13485 certified
- Manufacturer should be GMP Certified.
- All the kits should approved by CE(IVD) /USFDA & GMP
- All the Kit should be DCGI approved.

1. RPR Card test for syphilis

Intend of Use: The assay should allow for qualitative and semi quantitative determination of reagin antibodies in serum or plasma for serodiagnosis of syphilis based on flocculation principle using non treponemal antigens.

Technical Characteristics:

- The assay should be suitable to perform with either serum or plasma
 - The assay should have sensitivity of 80% or more in primary syphilis and a specificity of 90% or more
 - The assay should be calibrated to WHO reference serum and the same should be supported by statements in kit insert and certificate from manufacturer.
 - The test should be able to yield results within 20 minutes.
 - The pack size of RPR test kit should be 50 tests per kit
 - The assay components should include positive and negative serum controls sufficient for conducting 20% of the tests (10% negative and 10% positive controls)
 - The kit should have all essential accessories required for the test such as cards, droppers, applicator, etc. in adequate quantities for the number of tests to be performed.
 - The kit should have more than 60% residual shelf-life or 10 months (whichever is more) at the time of dispatch to the consignee
 - The kit should have a storage temperature of 2 0C to 8 0C and supplier/ local agent should have the facility to store kits at 2 0C to 8 0C
 - Cumulative Time Temperature Indicator should be part of the kit as per specifications defined in the terms and conditions.
 - Literature, detailing the components, methodologies, validity criteria, performance characteristics, storage conditions, manufacturing and expiry dates should be provided with each kit.
- **KIT COMPONENTS PROVIDED**
- 1) RPR Carbon Antigen (Red Label): Carbon particles coated with a lipid complex (cardiolipin, lecithin and cholesterol) in phosphate buffer 20 mmol/L, pH 7.0 containing a preservative.
 - 2) RPR Positive Control: Artificial serum with reagin titer 1/4.
 - 3) RPR Negative Control: Animal serum containing a preservative
 - 4) Dispensing bottle (1 x 2 ml).
 - 5) Dispensing Needle (x1).
 - 6) Disposable agglutination slides.
 - 7) Plastic stirrers.

2. HIV (Rapid) Whole Blood Finger Prick Test Kits

Intended of Use: The assay should be able to detect antibodies of HIV1, HIV2 and all the subtypes by detection of antibodies by the agglutination/ Enzyme
Should be 3rd generation

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1. The assay should have sensitivity of 100% or more and specificity of 100% or more as per data from an identified national reference laboratory.
 2. The assay should have solid phase/ particles coated with synthetic and/ or recombination or both types of antigens of HIV1 & HIV2.
 3. Total procedure time should not be more than 30 minutes.
 4. The manufacturers should ensure that:
 - d) The test kit should be packed such that there is a provision to conduct single test at a time;
 - e) The assay components should include HIV positive and negative serum controls sufficient for conducting 20% of the tests (10% negative and 10% positive controls); and
 - f) The pack size of HIV rapid test kits should be 30 tests per Kit.

3. Rheumatoid Factor

Intended Of Use: Rapid qualitative or semi-quantitative detection of IgM Rheumatoid Factor in serum.

- Visual reading
- Results output <2 minutes
- Ready-to-use
- High sensitivity : 98.75%
- Specificity : 98.37%
- The kit should meet all safety requirements with positive and negative controls.

KIT Configuration:

1. **RF Reagent:** A suspension of uniform polystyrene particles coated with IgG (human) in glycine buffer, pH 8.2; reagent sensitivity is standardized with the World Health Organization RF Standard.
 2. **RF Positive Control Serum:** A stabilized, prediluted human serum containing at least 30IU/mL / 8 IU/mL of RF.
 3. **RF Negative Control Serum:** A stabilized, prediluted human serum containing less than 8 IU/mL of RF.
 4. **Glycine-Saline Buffer (20x):** pH 8.2 ± 0.1M glycine and 0.15M NaCl
 5. Reaction Slide.
 6. Pipette
 7. Disposable Stir Sticks.
- Pack Size of the Kit:50 test/100Test

4. ASO

Intend of Use: For the qualitative measurement of antibodies to streptococcal exoenzymes in human serum.

Sensitivity of the test should be minimum: 200 IU/ml

Kit Configuration:

1. ASO Latex Reagent: Contains polystyrene latex particles coated with Streptolysin O in a stabilized buffer with less than 0.1% sodium azide as preservative.
2. ASO Positive Control: Human serum containing more than 200 IU/ml ASO with less than 0.1% sodium azide as preservative.
3. ASO Negative Control: Human serum that has been diluted and stabilized with buffer and contains less than 0.1% sodium azide as preservative.
4. Disposable pipettes
5. Disposable agglutination Slides.

5. HBsAg (Rapid test)

Intended Of Use: HBsAg/HCV Ab Rapid Test is a lateral flow chromatographic immunoassay for the qualitative detection of Hepatitis B surface antigen (HBsAg) and anti-Hepatitis C virus antibodies (IgG, IgM, IgA) in human serum, plasma and whole blood. It is intended to be used as a screening test and as an aid in the diagnosis of infection with Hepatitis B virus (HBV) and Hepatitis C virus (HCV).

- Should be immunoassay/capture principle
- Should be lateral flow device
- Should have in built quality control band or dot

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- Should have short interpretation time not more than 30 minutes
- Should have specificity and sensitivity of 100 %
- Must be evaluated and approved by NIB

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Kit Configuration

1. Diagnostics Rapid Card
2. HBsAg colloidal gold rapid test strips, each placed in white plastic cassette and packed in foil pouch.
3. Instructions for use.
4. 1 vial of sample diluent.

Sensitivity 100 %

Specificity 100 %

6. CRP: C-REACTIVE PROTEIN (CRP) - SLIDE

Intended of Use: CRP TEST is intended to be used for the qualitative screening and semi-quantitative determination of C - reactive protein antibodies (CRP) in serum

Kit Configuration:

1. CRP Reagent: Contains polystyrene latex particles coated with anti-human CRP in a stabilized buffer with less than 0.1% sodium azide as preservative.
 2. CRP Positive Control: Human Serum that contains more than 6mg/L CRP and less than 0.1% sodium azide as preservative.
 3. CRP Negative Control: Human serum that has been diluted and stabilized with buffer and contains less than 0.1% sodium azide as preservative.
 4. Glycine-saline Buffer: (20X) Concentrate To be diluted 1:20 with distilled water.
 5. Disposable pipettes and test slides.
- Pack Size:50test/100test

7. URINE Complete rapid test reagent strips :

- Urine Reagent Strips are for in vitro diagnostic use only.
- Indications for urine test strips:
 - Screening for prevention
 - Treatment monitoring
 - Patient self-testing
- Urine Reagent Strips provide tests for the following parameters:
 1. Glucose
 2. Bilirubin
 3. Ketone (Acetoacetic acid)
 4. Specific Gravity
 5. Blood
 6. pH
 7. Protein
 8. Urobilinogen
 9. Nitrite
 10. Leukocytes
 11. Ascorbic Acid in Urine.
- The Urine Reagent Strips should be packaged along with a drying agent in a plastic bottle with a cap to provide complete air tight.
- Each strip should be stable and ready to use upon removal from the bottle.
- The entire reagent strip should be disposable.
- Results are obtained by direct comparison of the test strip with the color blocks printed on the bottle label.
- All the reagent strips should be withstand at a room temperature between 15°-30°C (59°-86°F) and out of direct sunlight.
- The minimum self-life of the urine strips should be 1year unopened and minimum 3months once it is opened.
- The required controlled shall be provided along with the strip packet.
- The strip pack sizes should be of 25/50/100 sizes.

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- Urinalysis test strips types
 1. Ketones- Single test
 2. Glucose, Protein & pH- Three parameter
 3. Glucose, Protein pH, Leukocytes, Nitrites, Ketones, Bilirubin, Blood, Urobilinogen, and Specific Gravity-10 parameter
 4. Leukocytes and Nitrite-Special parameter
 - Quality Standards:**
 - The manufacturer should be ISO 13485 certified.
 - The strips should be USFDA/CE (IVD) approved.
 - The strips should be DCGI approved.

8. Urine Pregnancy Test:

Intended of Use: One step hCG Serum/Urine Combo Rapi-Card rapid test for the qualitative detection of human chorionic gonadotropin (hCG) in serum and urine.

- Serum/Urine Combo Pregnancy Test Cassette is a rapid test that qualitatively detects the presence of hCG in serum and urine specimens at the sensitivity of 20mIU/mL. The test utilizes a combination of monoclonal and polyclonal antibodies to selectively detect elevated levels of hCG
- Result should be produced with 1minute.
- Accuracy:99%
- Sensitivity:20mIU/mL
- The test strips should have inbuilt quality control to achieve the above accuracy.

Kit Configuration

1. Urine Pregnancy Test Rapid Card
2. Disposable pipette
3. Instructions for use

Storage condition 2-30 degree

Quality Standards:

- The manufacturer should be ISO 13485 certified.
- The strips should be USFDA/CE (IVD) approved.
- The strips should be DCGI approved.

9. Widal test KIT

The test kit should have the following configuration

1. 'O' Antigen 5ml
 - 2 'H' Antigen 5ml
 - 3 AH' Antigen 5ml
 - 4 BH' Antigen 5ml
 - 5 Positive control 5ml
 - 6 Negative control 5ml
 - 7 Test Serum Sample 2 ml
 - 8 Glass Slide 1 No. RT
 - 9 Disposable Mixing Sticks
- Result should be within 3 minutes
 - Homologues antigen antibody reaction with no cross reactivity with other salmonellar groups
 - High specificity:98%
 - Higher sensitivity:98%
 - Self-life 1year

10A. Dengue Rapid KIT (Dengue NS1 Ag Rapid)

- Should be a rapid test based on lateral flow technique.
- Test must be able to detect Dengue virus NS1 Ag from Day 1 of fever.
- Should be able to detect all the 4 Dengue serotypes (DEN-1, DEN-2, DEN-3, and DEN-4).
- Test should provide results within 20 minutes
- Should have long shelf life: 24 months.
- It should have a convenient pack size : 25 tests


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- Adequate documents detailing the principle, components, bio-safety, methodologies, validity criteria, interpretation of results, performance characteristics, storage conditions, limitation of assays, manufacturing and expiry dates should be provided with each kit
 - The kit to be procured should have approval of the statutory authority in its country of origin
 - In case of imported kits it should be registered and licensed in India by DCG (I)
 - In case of indigenous manufacturers they should be licensed by the competent authority defined under Drugs and Cosmetics act 1940 after appropriate evaluation by the centers approved by DCG(I)
 - Sensitivity- > 95% and Specificity- 99%

10.B.Dengue IgM/ IgG Rapid

- Test should be a solid phase in vitro immunochromatographic test for the qualitative and differential detection of IgG and IgM antibodies to dengue virus serotype DEN-1, 2, 3 and 4 in human serum, plasma or whole blood
- The test should be able to differentially detect IgG and IgM antibodies against all 4 serotypes of Dengue virus
- Results should be available in 15-20min.
- Test should be able to give a presumptive differentiation between primary & secondary dengue infections
- Test should have no cross reactivity with other Flavivirus group mediated and mosquitoes-borne disease
- Dengue IgG/IgM (Plasma Serum WB) : Sensitivity 94%, Specificity ≥ 96% Adequate documents detailing the principle, components, bio-safety, methodologies, validity criteria, interpretation of results, performance characteristics, storage conditions, limitation of assays, manufacturing and expiry dates should be provided with each kit
- The kit to be procured should have approval of the statutory authority in its country of origin
- In case of imported kits it should be registered and licensed in India by DCG (I)
- In case of indigenous manufacturers they should be licensed by the competent authority defined under Drugs and Cosmetics act 1940 after appropriate evaluation by the centers approved by DCG(I)
- Kit should have minimum shelf life of 60% or 12 months (whichever is more at the port of discharge of consignees)

11.Malaria Rapid Kit(Malaria Antigen Rapid (Pan Specific / pf))

- Should be a rapid Immuno chromatographic test
- Test should be able to detect and differentiate between Antigen of P.falciparum (HRP-2/ LDH) and Pan Plasmodia against P.falciparum, P.vivax, P.ovale, P.malariae (LDH) from human serum or plasma or whole blood
- The test should be based on the principle of capture of parasite antigen from blood using monoclonal antibodies
- specific for antigen target
- Each test kit should contain all the material required for conducting the
- Each batch of Rapid tests should be tested during time of delivery to ensure sensitivity and specificity of > 99%.
- Each kit should be packed in a hermetically sealed and nonpermeable pouch and should have moisture adsorbent material
- Kit should have a pack size of 25 such test cards/strips
- Result should be available in 20 minutes
- Adequate literature detailing the components methodologies, validity criteria, storage conditions, expiry
- date and limitations of test should be provided
- The kit to be procured should have approval of the statutory authority in its country of origin
- In case of imported kits it should be registered and licensed in India by DCG (I)


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- > In case of indigenous manufacturers they should be licensed by the competent authority defined under Drugs and Cosmetics act 1940 after appropriate evaluation by the centers approved by DCG(I)
 - > Kit should have minimum shelf life of 12 months (whichever is more at the port of discharge of consignees)

12. Troponin-I (Card Test)

Troponin I test is a rapid, qualitative test for the detection of cardiac troponin I (cTnI) in serum, plasma, whole blood as an aid in the diagnosis of myocardial infarction of a patient.

Test principle: Immuno-chromatographic.

Detection of: Cardiac troponin I (cTnI)

It should detect cardiac Troponin I at a concentration of >0.5ng/ml

Sample Type: Serum, Plasma, whole blood

Specificity: 98.9%

Sensitivity: 96.9%-

Time to result: 10-15 minutes

Storage Condition: 2-30°C

Self-Life: 24 months

Pack Size: 10test cards individually sealed/packed in a box.

The box should contain

1-Test Device

2-Disposable droppers

3-Buffer Solution

4-Package insert

CE marked as per IVD

Manufacturer Should be ISO13485 certified.

13. Troponin T

Qualitative detection of troponin in anticoagulated
(EDTA or heparin) venous whole blood

- o Reaction time < 15 min.
- o Positive result from a threshold (cut-off) of 100 ng/L
- o Storage at 2 to 8°C
- o Test can be used immediately after removal from the refrigerator
- o Self-life: 1month

Pack Size:

1. Disposable test strips (individually sealed)
- 2.5 pipettes (150 µL)
3. Disposable labels
- 4.1 package insert
5. 1 vial of negative control solution (lyophilized) for 6 determinations

Bio-chemical Reagents for in-vitro diagnostics in human samples for professional use only

Quality Standards and general description of the reagents packs

- > All reagent kits should be liquid stable & ready to use.
- > Reagent should be free from all carcinogenic & hazardous material.
- > Reagent should be used for all open biochemistry analyzer systems (Both Semiautomatic & Fully automatic irrespective of make & model)
- > Reagents must be approved by a reputed regulatory body like CE(IVD)/USFDA
- > Manufacturer should be ISO13485 approved.
- > Manufacturer should be GMP Certified.
- > The entire reagent should be DCGI approved.
- > Calibrators traceable to Certified Reference Material (CRM)
- > Standardization of reagent kits traceable to Standard Reference Material (SRM).
- > Calibrators and Controls preferably of human matrix.
- > Reagent methodology should be traceable to some reference method, e.g., IFCC, CDC, etc.

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- Results should be correlated with Gold Standard Methods.
- Reagents CV% should be less than 4 – 5%.
- Reagents specificity should be within 90 – 100%.
- Purity of the reagent should be 98-99%
- Sensitivity mentioned should be excellent enough to ensure measurement of very low analyte present in the sample.
- Reagents should ensure wide linearity for proper interpretation.
- All reagents should be with suitable control.
- The reagents should not be older than one sixth (1/6th) of its shelf life from the date of manufacture.

Sl. No	Name of the Reagent	Pack Size(In ml)	Method	Sensitivity	Linearity
15	S.Cholesterol	25/50/100 R1,R2-Standvial	Endpoint	0.3 mg/dL	800-900mg/dL
1	Blood Sugar	100/200/500/1000	End point	0.6mg/dl	400mg/dl
2	Blood urea,	200/500/1000	End point	2.5mg/dl	300-350mg/dl
3	S. creatinin	100/200/1000 R1,R2,R3-Stanard (Vial)	2-point	0.05mg/dl	Upto 30mg/dl
4	S.Bilirubin (T)	50/100/200/1000 R1,R2-Direct Nitrite Vial	End Point	0.1mg/dl	20mg/dl
5	Bilirubin (D)	100/200/1000	End Point	0.2mg/dl	25mg/dl
6	SGOT	50/200/500	Kinetic	8u/l	Up to 800U/l
7	SGPT	50/200/500	Kinetic	5u/l	Up to 800U/l
8	S.Alkaline Phosphate	50/200/500	Kinetic	8.8U/L	Up to 700U/l
9	S.Total Protein	50/250/500 R1,R2-Standard(vial)	End point	0.17g/dl	Upto 18g/dl
10	S.Albumin	50/250/500 R1,R2- Standard(Vial)	End point	0.1g/dl	.6-.7g/dl
11	S.Calcium/Potacium /Sodium	50/100/200 R1,R2-Standvial	End point	0.12mg/dl	25mg/dl
12	S.LDH	50/200	Kinetic	0.13mg/dl	20-1000mg/dl
13	S.Amaylase	25/ 50/100	kinetic	0.03	1300U/l
14	S.Uric Acid	25/50 R1,R2-Standvial	Endpoint	0.02mg/dl	Up to 25mg/dl
16	S.Triglycerde	25/ 50/100	Endpoint	1.6 mg/dL	600-700 mg/dL
17	S.VLDL	100	End Point	0.28 mg/dL	990 mg/dL
18	S.HDL	25/50	End Point	3.0 mg/dL	150 mg/dL

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List of Items (with technical specification)

1. ECG Paper
2. ECG Jelly.
3. Oxygen Mask.
4. Nebuliser Mask.
5. Surgical Head Cap
6. Green Cloth
7. Plastic Apron
8. Makintosh Sheet
9. Bacilloacid
10. OT Gown
11. Mother & Baby Tag
12. Coloured Buckets
13. Black Polythene
14. Needle Cutter & Destroyer
15. Sodium Citrate Solution
16. Test Tube
17. Nasogastric Tube
18. Endotracheal tube

TECHNICAL SPECIFICATIONS

01. ECG Paper

- a) For 12 channel ECG, Make - Motora , Model - ELI250C12
- b) For 12 channel ECG , Make - Contec, Model - ECG1200G
- c) For 6 channel ECG , Make - Contec Model - ECG600G,

02. ECG Jelly.

03. Oxygen Mask.

Specification

- Manufactured from soft non toxic, medical grade PVC Compound.
- Elastic strap and Aluminum nose clip is provided on the Mask for proper adjustment of Mask on nasal area.
- Multichannel tube ensure regular supply of oxygen if tube is accidently kinked.
- Tube is provided with connectors at both ends for easy connection with oxygen source.

04. Nebulizer Mask.

Specification

- Non-toxic P.V.C masks manufactured pursuant to national and international quality and safety standards.
- Available in two sizes: adult and pediatric.
- Anatomical design with aluminum nasal fastener and elastic band to hold the mask in place.

05. Surgical Head Cap

06. Green Cloth

07. Plastic Apron

Specifiction:

- Seamless liquid proof and stain resistant.
- Comfortable to wear, apron has back- and neck-band strips attached .
- Both back- and neck-band can be adjusted/fastened.
- Color: white
- Material: durable environmentally friendly plastic, polyethylene (PE)
- Size: 85 x 145 cm (w x l) (+/- 15%)
- Thickness, at not less than: 50 um
- Can resist water and disinfectant (ethanol 70% and chlorine solution 0.5%)

Sheet

4) TECHNICAL SPECIFICATION OF MVA,EVA

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1. MVA (Manual Vacum Aspirator)

Eligibility Criteria:-

- Surgical instruments should be CE Marked (Engraved on each instrument).
- High Surgical grade stainless steel (350-450 grade)
- Company name and catalogue number should be engraved on each instrument.
- Physical demonstration of all instruments is mandatory.
- Manufacture should be ISO certified

1 set of MVA should consists of following items:-

SURGICAL INSTRUMENT OF MVA

- 1) MVA Syringe 100CC:-1Nos
- 2) Sponge Holder 10 inch:-2 nos
- 3) Sims Speculum small size:-1nos
- 4) Sims Speculum medium size:-1nos
- 5) Allis Forceps 6 inch:-2 nos
- 6) Uterine Sound:-1nos
- 7) Heggars Dilator :-1set
- 8) Uerine Curette blunt and sharp:-1nos
- 9) Ovem Forceps 10inch :-1nos
- 10) Disposable Cannula of Size 6,8,10 & 12 :-1nos from each

11. EVA (Electrical Vacum Aspirator)

Eligibility Criteria:-

- Surgical instruments should be CE Marked (Engraved on each instrument).
- High Surgical grade stainless steel (350-450 grade)
- Company name and catalogue number should be engraved on each instrument.
- Physical demonstration of all instruments is mandatory.
- Manufacture should be ISO certified

1 set of EVA should consists of following items:-

A. SURGICAL INSTRUMENT OF EVA

- 1)Sponge Holder 10 inch:-2 nos
- 2)Sims Speculum small size:-1nos
- 3)Sims Speculum medium size:-1nos
- 4)Allis Forceps 6 inch:-2 nos
- 5)Uterine Sound:-1nos
- 6)Heggars Dilator :-1set
- 7)Uerine Curette blunt and sharp:-1nos
- 8)Ovem Forceps 10inch :-1nos
- 9)Disposable Cannula of Size 6,8,10 & 12 :-1nos from each

B.SUCTION APPARTUS OF EVA :-1No.

Eligibility Criteria:

PAGE NO:-4

LAP
MINIPAL KIT /IUCD KIT/ PPIUCD FORCEPS

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Eligibility Criteria:-

- Surgical instruments of the kits should be CE Marked (Engraved on each instruments).
- High Surgical grade stainless steel (350-450 grade)
- Company name and catalogue number should be engraved on each instrument.
- Physical demonstration of all instruments is mandatory.
- Manufacture should be ISO certified

Specification:-

A) Minipal Kit (Set) *minipal kit (set)*

1 set consists of following items:-

- 1) Sponge Holder 10 inch:-2 nos
- 2) Artery forceps straight 6 inch:-4 nos
- 3) Artery forceps Curved 6 inch:-2 nos
- 4) Allis Forceps 6 inch:-4 nos
- 5) Babcock Forceps 6 inch:-2 nos
- 6) Right Angled retractor 6 inch:-1 no
- 7) Right Angled retractor 8 inch:-1 no
- 8) Tubal hook 8 inch:-1 no
- 9) Needle holder 8 inch:-1 no
- 10) Plain Forceps 6 inch:-1 no
- 11) Tooth Forceps 6 inch:-1 no
- 12) Curved Scissor 8 inch:-1 nos
- 13) Straight Scissor 8 inch:-1 nos
- 14) Nel Cath 14fr:-1 no
- 15) BP Handle No-4:-1no
- 16) BP Handle Blade No-22:-1no

B) IUCD Kit (Set)

1 set consists of following items:-

- 1) Sponge Holder 10 inch:-1 no
- 2) Sims Speculum Small Size:-1 no
- 3) Sims Speculum medium Size:-1 no
- 4) Allis Forceps 6 inch:-2 nos
- 5) Uterine Sound:-1no
- 6) Kellys Forceps 12 inch:-1no
- 7) Straight Scissor 6 inch:-1no

C) PPIUCD Forceps

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2) TECHNICAL SPECIFICATION OF LABOUR TABLE

1 set consists of following items:-

- 1) Labour table over all approx. size 72X27X30
- 2) Frame made of MS tube
- 3) Leg fitted with PVC stumps
- 4) 3 section top made of SS sheet
- 5) Back rest section adjustable on rat chart
- 6) Leg and section can slide under the main section
- 7) The entire table top gives trend Len berg position by gas spring system
- 8) Removable safety side railing are provide on 3 side of the table
- 9) Height adjustable and a pair of foam padded knee crutches
- 10) Patient bearing down hand grips made of SS tubes
- 11) Supplied with waste collecting SS bowl and SS bracket and one IV rod
- 12) Finishing with pre treated and epoxy powder coated SS frame work and SS top

3) TECHNICAL SPECIFICATION OF STERILISER INSTRUMENT

Description of function:-

Sterilisation of surgical instruments and other accessories.

- 1) Electrically operated.
- 2) Size ideally 24x8x6 inch.
- 3) Should be electrically operated on 230volt, 50Hz with appropriate load.
- 4) Should have replaceable immersion type heater confirming to IS-4159/2000 dully BIS mark and confirming to safety requirements as per IS-0320-22001-1992.
- 5) Body should be made of IS-304 grade steel (Test report certificate form independent laboratory should be submitted with technical bid)

Power Supply

Power input to be 220-240VAC,50Hz fitted with Indian plug.

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- Should be FDA / CE / ISI approved product
 - Manufacturer should be ISO certified for quality standards.
 - Shall meet IEC -60601-1-2:2001 (Or Equivalent BIs0 General Requirement of Safety for Electromagnetic Compatibility or should comply with S9/366/EECEMC-directive

Operational Requirements

- Shall have Motor (CE/ISI marked) of minimum ¼ H.P. capacity.
- The machine should be portable on three/four wheels and handle for transportation

Technical Specifications

- The Suction pump should be oil immersed fitted on Motor shaft.
- Suction pump should have line grinding internally. To facilitate maintenance the cover of machine should be easily to open from the top & sides. The suction machine should be capable of producing 0- 600 approx. mm Hg. which should be ± 10 regulable, flutter free vacuum control knob monitored by vacuum gauge. The suction capacity should be 15-20 liters per minute and can be regulated. Noise level should be less than 48dB.
- It should have two bottles of 2 liters with synthetic rubber lids. The bottle shall be fitted with the arrangement to prevent overflow of fluid.
- ON/OFF Switch and Power indicator should be available
- Body material: Base, top & panel made of rust proof and corrosion resistant moulded ABS. Jar/Bottle material: Autoclavable polycarbonate.

Supplied with:

- 3 Core lead of 2 meter long with one 3 pins 15 amp. Plug -01
- The Following spares per machine are also required:-
- (i) Bottles 2 Nos.
 - (ii) Lids 2 Nos.
 - (iii) Rubber Seals 2 Nos.
 - (iv) Blades 2 Nos.
 - (v) Suction Tubing set 1 No

Power Supply

Power input to be 220-240VAC, 50Hz fitted with Indian plug.

Warranty

Comprehensive warranty for 2 yrs.

Documentation:

- User /Service Manual in English
 - List of important spare parts and accessories with their part number and costing.
- Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet.


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5.SUCTION MACHINE (ELECTRICAL)

Description of Function:

To extract fluid from the body during surgery or emergency treatment.

Eligibility Criteria:

- Should be FDA / CE /ISI approved product
- Manufacturer should be ISO certified for quality standards.
- Shall have Motor (CE/ISI marked) of minimum ¼ H.P. capacity.
- The machine should be portable on three/four wheels and handle for transportation

Technical Specifications

- The Suction pump should be oil immersed fitted on Motor shaft.
- Suction pump should have line grinding internally. To facilitate maintenance the cover of machine should be easily to open from the top & sides. The suction machine should be capable of producing 0- 600 approx. mm Hg. which should be ± 10 regulable, flutter free vacuum control knob monitored by vacuum gauge. The suction capacity should be 1.5-2.0 litres per minute and can be regulated. Noise level should be less than 48dB.
- It should have two bottles of 2 litters with synthetic rubber lids. The bottle shall be fitted with the arrangement to prevent overflow of fluid.
- ON/OFF Switch and Power indicator should be available
- Body material: Base, top & panel made of rust proof and corrosion resistant moulded ABS. Jar/Bottle material: Autoclavable polycarbonate.

Supplied with:

- 3 Core lead of 2 meter long with one 3 pins 15 amp. Plug -01
- The Following spares per machine are also required:-

- (i) Bottles 2 Nos.
- (ii) Lids 2 Nos.
- (iii) Rubber Seals 2 Nos.
- (iv) Blades 2 Nos.
- (v) Suction Tubing set 1 No

Documentation:

- User /Service Manual in English

Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet.

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SECTION -II

IMPORTANT INSTRUCTIONS TO BE NOTED CAREFULLY BY THE TENDERERS

1.	Purchaser	Health & F.W. Department
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TECHNICAL SPECIFICATION

1. Lumbar & Cervical Traction with Bed

1.1: Clinical Requirement: A cervical/lumbar traction device is used to help relieve pain associated with Cervical & Lumbar spine in case of Prolapsed inter vertebral disc, Listhesis of vertebra, Spinal nerve root Compression etc. and nerve root impingement. It also Spine and skeletal system, gently stretching the tight muscles and soft tissues of the spine area. By helping to open the space between the compressed vertebrae, a traction device assists in releasing the tension and pressure of the vertebrae structure.

1.2 Technical Specification:

- Microprocessor/ microcontroller based unit for treatment of cervical & lumbar regions of patient.
- It should be microprocessor controlled for smooth traction effect.
- The therapy time, HOLD and REST times should be easily programmable.
- Should be provided with Adjustable, single size PELVIC and THORACIC belts and the head halter fit for adult patient.
- The unit should have LED indicators for hold and rest time.
- Buzzer indicator for completion of treatment
- Separate selection for cervical and lumbar
- The unit should be sensitive to weight for accurate operation.
- Force – 4-90 Kg with doubler
- Cervical tension – 4, 6, 8, 10, 12, 14 (Kg)
- Lumbar tension – 18,21,24,27,30,33,40,45 (Kg)
- All the above increments are must be in steps.
- Mode: static and intermittent – cervical as well as lumbar.
- Hold time – 10-80 (Sec) adjustable in continuous mode.
- Rest time – 1-20 (Sec) adjustable in continuous mode
- Treatment time - 1 to 30 minutes –Adjustable.
- Patient control switch option should be there for safety.

1.3. Power Supply:

- The unit should work on 230volt & 50HZ supply
- The unit should have inbuilt over voltage protection.

1.4. Quality Standard:

- The model should be USFDA/CE/BIS certified
- The manufacturer should be ISO13485 certified
- The model should be compliance to electrical safety standards of IEC60601-1


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2.3: Power Supply:

- The unit should work on 230volt & 50HZ supply
- The unit should have inbuilt over voltage protection.

2.4: Quality Standard:

- The model should be USFDA/CE(Notified)
- The manufacturer should be ISO13485 certified
- The model should be compliance to electrical safety standards of IEC60601-1

3. Transcutaneous electrical nerve stimulation (TENS)

3.1: Clinical Requirement: Used for Pain Relief and Treatment. TENS stands for (Transcutaneous Electrical Nerve Stimulation). Which are predominately used for nerve related pain conditions (acute and chronic conditions), muscle spasm. TENS machines works by sending stimulating pulses across the surface of the skin and along the nerves to close pain gates to reduce pain & spasm.

3.2: Technical Specification:

- A micro controller based multi programmable transcutaneous electric nerve stimulator
- The unit should be a table top model.
- The unit should have dual Independent Channels
- The unit should have Adjustable Timer ranging from 0-90sec
- Adjustable Frequency and Pulse Duration parameters
- Therapy mode: Continuous, burst, linear, trapezoidal ,triangular and non- linear
- Tens Frequency: 2 Hz to 150 Hz Adjustable
- Pulse Amplitude:0-80 mA
- Pulse width 50 msec – 300 msec, variable
- Therapy mode: Continuous, burst, linear, trapezoidal and no- linear
- Parameter selection: Manual and programmed.
- Treatment timer: Digital timer
- Output display: Display for CH1 & CH2.
- With attached trolley

3.3: Power Supply:

- The unit should work on 230volt & 50HZ supply
- The unit should have inbuilt over voltage protection.

3.4: Quality Standard:

- The model should be USFDA/CE/BIS certified
- The manufacturer should be ISO13485 certified
- The model should be compliance to electrical safety standards of IEC60601-1

4. Muscle stimulator unit (FC/GC)

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5. Therapeutic Ultrasound Unit(Dual Frequency)

5.1: Clinical purpose: For treatment of painful conditions involving the musculoskeletal and neuromuscular structures, reduce inflammation of muscles, tendons, repair muscle, tendon, ligaments etc. It is also very use full for sports injury management, diabetic & leprosy foot ulcer healing etc.

5.2: Technical Specification:

- It should be double frequency ultrasound machine.
- Modes of operation should be in continuous and pulsed
- It should have at least in 4 different settings for Pulse ratio.
- Maximum output 2.5-3 watts/Sq.cm.
- Output frequency 1 MHz and 3MHz
- Treatment time should be adjustable from 0-30 minutes
- Automatic alarm should be their on completion of the treatment.
- Digital LCD display to indicate the output in w/cm² and other required services.
- All settings should be provided using touch panel.
- Both the transducer should be high quality water and impact resistant.
- The beam type :Divergent/Collimated
- Transducer: The Effective radiating area should be of 0.5 to 0.8mm for 1MHz and 0.4 to 0.6mm for 3MHz.
- The Beam Non uniformity Ratio (BNR) for both the transducer should be 4-6.
- With attached trolley

5.3: Power Supply:

- The unit should work on 230volt & 50HZ supply
- The unit should have inbuilt over voltage protection.

5.4: Quality Standard:

- The model should be USFDA/ CE(Notified)
- The manufacturer should be ISO13485 certified
- The model should be compliance to electrical safety standards of IEC60601-1

6. Shock wave Therapy unit:

6.1: Clinical Use: shock wave therapy primarily used in musculoskeletal disorders for the treatment of tendon pathies (proximal plantar fasciopathy, lateral elbow tendinopathy, calcific tendinopathy of the shoulder, and patellar tendinopathy, etc.) and bone defects (delayed- and non-union of bone fractures, avascular necrosis of femoral head, etc.)

6.1: Technical Specification:

It should be a table top model:

6.2: Console:

6.7: Quality Standard:

- The model should be USFDA/CE(Notified)
- The manufacturer should be ISO13485 certified
- The model should be compliance to electrical safety standards of IEC60601-1

7. Therapeutic Laser Unit (Physiotherapy)

Clinical Use: Laser Therapy Equipments use for treatment of the pain, trigger point, wound healing, Soft Tissue Injury Treatment etc effectively.

7.1: Technical Specification:

- Table top model consists of laser console, delivery system with accessories.
- Operating Frequency range 2Hz - 20kHz
- The unit should have facility to show the power in joules once the therapy time is set and Vis-a-vis.
- Timing range between 0-99 Minutes
- The unit should provide with two probes as single point and cluster type along with scanner.
- Probe -1:
- Power output range: 100mW at 905nm
- Probe-2:
- Power output of 10mW at 640nm
- Scanner:
- Should have inbuilt predefined programme for easy/ default operation
- The unit should have LCD display for parameter set & delivered etc
- Should have inbuilt memory for patient database.
- The unit should have two separate channel for connecting two probes for simultaneous operation.
- The unit should be operated in continuous and pulse modes of operation.
- Laser Dosage: 0.1-100 J/cm²
- Therapy area 0.1-100 cm²
- Laser class 3B

7.2: ACCESSORIES:

- 1) Hand-piece
- 2) Foot switch
- 3) Carrier case
- 4) With attached trolley

7.3: Power Supply:

- The unit should work on 230volt & 50HZ supply
- The unit should have inbuilt over voltage protection.

7.4: Quality Standard:


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- Thermostatic temperature control (50 - 90 degree C) - Auto cut-off
- Thermal cut-out temperature
- Temperature accuracy: +/- 10%
- Heat-up time to 90 degree Celsius: in 8 hrs.
- Cool-down time from 90 degrees Celsius: 3 hrs.

9.3: Power supply

- Mains power: 220/230 V, 50/60 Hz
- Power consumption: 1000-1500 W

9.4: Quality Standard:

- The model should be CE/BIS approved.
- The manufacturer should be ISO13485 certified
- Safety tests: Conforms to IEC 60601-1

Accessories must include:

- Hydrocollator Moist Heat Hot Pac : Standard Size-2, Over size-2, Cervical Standard size-2, Hydrocollator Knee or Shoulder Hot Pac-2
- Cotton Terry towel (Adult size): 8 Nos. to be supplied.

10. Paraffin Wax Bath Unit:

10.1: Clinical use: Paraffin wax treatments are used for the Symptomatic relief of pain and stiffness due to Arthritis, Bursitis, and Tendonitis, Muscle strains or Sports-Injuries. It is basically use as a superficially thermotherapy modality in physiotherapy.

10.2: Technical Specification:

- Double walled Construction with adequate insulation made of SS body.
- Wax tank made of 18-20 gauge Stainless steel & anodized Aluminium cover Mounted on 5cm dia. Four casters.
- Capacity – 25 Kg (Min.) to hold 20 Kg Wax
- Heater - 2000 watts
- Thermostatic temperature control (30 - 90 degree C) - Auto cut-off
- Thermostat - 30 to 110o C
- Perforated steel plate to cover heating element for safety of patient
- The scope of supply includes 20 Kg of Wax.

10.3: Power Supply:

- The unit should work on 230volt & 50HZ supply
- The unit should have inbuilt over voltage protection.

10.4: Quality Standard:

- The model should be CE/BIS approved.
- The manufacturer should be ISO13485 certified

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12.2: Technical Specification:

- It should be a table top model of dual channel.
- The unit should generate continuous and pulsed outputs with variable pulse speed
- The vacuum pressure should be adjustable as per requirement.
- Vacuum: 100 – 500 mbar continuously adjustable
- Therapy forms: continuous or pulsed
- Pulsed vacuum: 2 – 6 secs. Adjustable
- No. of vacuum electrodes: Four of 60-70mm
- The unit should have digital display.
- All required accessories should be provided with the unit for smooth functioning. Glass or plastic cups and a vacuum pistol, bulb or machine to create suction on the body surface.
- With attached trolley

12.3: Power Supply:

- The unit should work on 230volt & 50HZ supply
- The unit should have inbuilt over voltage protection.

12.4: Quality Standard:

- The model should be USFDA /CE(notified) approved.
- The manufacturer should be ISO13485 certified

13. Knee and Hip Auto Passive mobilise

13.1: Clinical Use: The mobiliser used during the first phase of rehabilitation following a soft tissue surgical procedure or trauma, Post fracture management of Femur, Tibia-Fibula, Knee & hip replacement etc. . This rehabilitation procedure follow-up for control post-operative pain reduces inflammation, provide passive motion in a specific plane of movement, and protect the healing repair or tissue.

13.2: Technical Specification:

- The device should provide anatomical motion of the knee & hip for the adult and paediatric patient.
- Gear mechanism for continuous operation.
- Can be used for both left and right portion of the patient.
- Must be well cushioned for comfortable feel.
- Should have adjustable flexion angle up to 120 degree
- Provided with patients safety switch.
- Treatment timer : 0 to 60 min
- Features for Up & Down control limit button to control reverse direction movement

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14.5: Quality Standard:

- The model should be USFDA /CE approved.
- The manufacturer should be ISO13485 certified
- The model should be compliance to electrical safety standards of IEC60601-1

15. Parallel Bar

15.1: Clinical Use: It use for horizontal surface gait training, Coordination training of lower limb in various neurological conditions like paralysis, GBS, Parkinson etc.

15.2: Technical Specification

- The parallel bar should be a height adjustable; plat form based one which should be very simple for easy accommodation of multiple patients of age group.
- The handrails should be in single piece, circular in design stainless steel ribbed pipe of minimum diameter 1 1/2".
- Both the end of the handrails should be fitted with bumpers.
- The Uprights should be made of heavy gauge square 1 1/2" steel tubes.
- All parts should be powder coated except the handrail. The handrail should single piece stainless steel pipe
- The uprights are to be fitted on a 1 1/2" thick hard plywood base water and termite resistance. Both end of this platform should be curved slope for obstruction free. The platform should be stain finish. Both the end of the plat form should have two anti-slip threads for none skidding.
- Safety treads at both ends of platform should be provided for safety of the patient when take turn.
- Models make it safer for patient to turn

15.3: Minimum dimension of the structure:

- Length of the bar: 10feet
- Width of the bar: 25" – 28"
- Height adjustment of the Bar: 26" – 39"
- The manufacturer should be ISO approved.

16. Stair climbing training unit

16.1: Clinical Use: It use for vertical gait training, Coordination training of lower limb in various neurological conditions like paralysis, GBS, Parkinson etc.

16.2: Technical Specification

- The stair case shall be a Small Up and Down type with 6step UP and 4 step down.
- The patient can ascend and descend without turning.
- The stairs are to be 10" of minimum depth.

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- It should function like an electric operated table with vertical to horizontal tilt is achieved with an easy-to-turn.
 - Crank is angled to provide leverage for maximum lifting efficiency.
 - The table should have three positioning (0-90 degree) straps for security on raising the patient.
 - Should have minimum 28" wide surface with an extra-wide footboard (20"W x 18"D),
 - Minimum 2"-thick high-density (40) foam/Moulded foam padding.
 - Made of heavy-duty steel frame with vinyl upholstery.
 - Surface area: 28"Wx 78"LLx 33"H (approx.). approximate
 - The table should be operate on 230Volt, 50Hz AC electricity supply
- Standard Quality**
- The manufacturer should be ISO 13485 certified
 - The model should be CE/BIS approved.

19. Manual therapy Bed unit

19.1: Clinical Use: Use for examination bed, Manual therapy bed for providing mobilisation, stretching, passive movement etc.

19.2: Technical Specification:

- A 3 section, variable height plinth.
- With breathing slot at head end
- This plinth is built for sustained heavy use.
- Length : 74"Approx
- Width : 28 " (Approx.)
- Height Adjustment : 21 inches to 37 inches approx
- Head rest up and down Gas Spring
- Couch up and down Motorised
- The frame and the base shall be made of MS with powder coating.

20. Wage board:

20.1: Clinical use:

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- Should not collect sweat, odour or dirt and should be easily wiped & cleaned with a damp cloth.
- Should have non sticky & non skidding surface.
- Should provide cover bag for safe keeping & handling.
- The manufacturer should be ISO certified.

23. Shoulder wheel, over head pulley, Shoulder ladder (set)

23.1: Clinical use:

- Used for improving mobility & strength of shoulder girdle & rotator cuff muscles in case of frozen shoulder, paresis & paralysis cases.

Technical Specification:

A. Shoulder Wheel:

- It should be a wall mounted one.
- The wheel for use of adult and paediatric
- The motion arc can be adjustable from 10 to 38 inches by adjusting the handle.
- The wheel shall be mounted on a two chrome plated height adjustable (8" to 26") rails.
- The resistance can be varied by turning the resistance knob.
- The manufacturer should be ISO certified

B. Over Head Pulley:

- Heavy duty, medical grade, shoulders pulley exerciser for physical therapy use.
- Over the door metal bracket allows easy one hand setup.
- Units with a door strap require two hands, which is difficult with an injured shoulder.
- Easily adjustable cord length for any height and for use in both seating and standing position.
- The overhead pulley should have the provision of wall mounting.

C. Shoulder Ladder:

- Wood Finger/Shoulder Ladder
- 32 vertical finger steps
- Solid wood with heavy topcoats
- Pre-drilled mounting holes
- The manufacturer should be ISO certified.

24. Foot Bath Unit

24.1: Clinical Use: Use for diabetic foot .leprosy foot for debridement of dead skins and softening the skins in case of neuropathy.

24.2: Technical specification:

- Foot bath tub of size-L-12 X B-14 x D-6 1/2

- Top is mounted on sturdily built well polished hardwood legs & frames. Total height 31"
- 2 step wooden stairs should be provided with the bed.

27. Hand rehabilitation Therapy unit

27.1: Clinical use : Used for exercise of fingers, intrinsic muscles, wrist flexor & extensor etc. In cases of paresis & paralysis of upper extremity.

27.2: Technical specification:

- Hard-wood table with laminated top, size 25" x 35" x 30" high.
- Fitted with 6 pulleys in a steel frame. Leather loops and nylon cord passing through the pulleys with adjustable hanging weight underneath for Fingers Hand, Wrist and Forearm exercises.
- Especially for Metacarpo-phalangeal & Inter-phalangeal joints.
- Provided with Supinator/Pronator and Wrist-Circum-duction wheel for Wrist exercises.
- Comes with Five sets of weights, each set consists of 5 weights of One each of 100, 200, 300, 400 and 500 grms.
- Attached hand gym kit board on table top. Which have following features
 - Laminated exercise board with storage drawer,
 - Have several holes to fix Pegs and Springs.
 - Comes with One finger Disc, One Roller, Three Spring loaded Knobs, 3 Aluminium pegs and 3 Sets of Springs of different tensions.
 - The unit permits active flexion and extension exercises of the finger and grip.
- Therapy Putty: FIVE packs of 450gm each in five different resistances.
- Medicine Ball Set: FIVE balls, 1, 2, 3, 4 & 5kg.

28. Thera bands /Elastic bands (Flat type) :

28.1: Clinical use: Stretch-It a resistive treatment & exercise system with unlimited options.

28.1.2: Technical specification:

- With each roll of 15cm wide x 5 meter long bands. Full Set of Five rolls come in following FIVE resistances for adult use.
 - (a) Light: Yellow.
 - (b) Medium-Light: Red.
 - (c) Medium-Heavy: Green.
 - (d) Heavy: Blue.
 - (e) Extra-Heavy: Black.

28.2: Grip Exerciser: Use for strengthening of hand grip.

- 3 different size Goniometer to accurately measure the axis and range of motion in a particular joint.
- Manufactured from clear toughened plastic for unrivalled durability.
- 12 Inch Goniometer featuring three different scales. 360 degrees. Metric and Imperial.
- Calibrated with the ISOM System.
- Manufacturer should be ISO certified.

30.4. Hand grip & pinch Dynamometers: Use for hand grip test and muscle strength measurement.

- Maximum reading remains until the unit is reset
- Five position handle and body
- Strength reading can be viewed as pounds or kilograms
- CE Certified
- Supplied in a protective carrying case
- The manufacturer should be ISO certified.

30.5 Knee hammer:

- Used to test joint reflexes or bone fractures in the joints
- The Taylor hammer features a 7.5 inch chrome handle
- Has a colored triangular rubber head
- The manufacturer should be ISO13485 approved

30.6 Plumb unit: Metallic plum with nylon thread

30.7 Stadio meter:

- 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)
- The manufacturer should be ISO certified
- Warranty : 1 Year

30.8 Weighing scale:

- Sturdy dial type mechanical platform weighing machine for adult and children.
- Zero adjustment facility should be there.
- Resolution : 50 gm
- Range of weighing: 0-120kg

SL No	Program me	Name of the EIF	Technical Specification
1	SAANS	Hand Held Pulse Oximeter	To be supplied from OSMCL
2	SAANS	Nebulizer	To be Supplied from OSMCL
3	NPPCD	Head Light	<p>Purpose: Coaxial luminaire provides shadow free illumination for improved efficiencies</p> <p>Light weight and comfortable head band options : Yes</p> <p>Supply of accessory like charger, cable & batteries : Yes</p> <p>Color of light : Cool day light</p> <p>Brightness (Lumen): 40</p> <p>Color Temperature (Degree Kelvin) : 4500 degree K,</p> <p>Minimum LED Life (Hours) : 20000</p> <p>Nature of focusing : Spot</p> <p>Portable compact design with no wires- into shirt pocket : Yes</p> <p>Charging time (Hours) : 2-4Hours.</p> <p>Color rendering index (CRI) : 90</p> <p>Type of battery : Alkaline</p> <p>Run time (Minutes) : 60</p> <p>ON/OFF control: Yes</p> <p>MINIMUM Spot diameter (mm): 10</p> <p>MAXIMUM Spot diameter (mm) : 60</p> <p>Standards:</p> <p>Product complies with: IEC 60601-1 and IEC60601-2-41 :Yes</p> <p>Model Should be CE/BIS certified :Yes</p> <p>Manufacturer should be ISO13485 certified: Yes</p>
4	NPPCD	Ear Specula	<p>Shape: Oval cone design</p> <p>Material: Stainless Steel, antimagnetic, acid-resistant</p> <p>Supply: Set of 4nos. Diameter: 3mm, 4mm, 5mm & 7mm respectively.</p> <p>Sterilization / Disinfection: Completely reusable and fully autoclavable.</p> <p>Each instrument shall be embossed/etched with manufacturer's name, initials or recognized trade-mark and the words 'Stainless Steel' or letters 'ss'</p> <p>Manufacturer should be ISO 13485 certified</p> <p>Product should be CE/BIS approved</p>
5	NPPCD	Nasal Speculum	<p>Type: Thudichum</p> <p>Product: Nasal Specula</p> <p>Profile: Set of 3 (Adult sizes-4&5 & pediatric sizes-3)</p> <p>Specialty: Rhinology Instruments</p> <p>Material: Stainless Steel (ASI410/420)</p> <p>Surface Finish: Satin</p> <p>Sterilization / Disinfection: Completely reusable and fully autoclavable.</p> <p>Each instrument shall be embossed/etched with manufacturer's name, initials or recognized trade-mark and the words 'Stainless Steel' or letters 'ss'</p> <p>Manufacturer should be ISO 13485 certified</p> <p>Product should be CE/BIS approved</p>

			<p>/NABL/ILAC accredited Lab or Manufacture's in-house Test Report to prove the conformity to declared specification at the time of supply Yes Product conformity certificate is to be provided to the buyer at the time of supply Yes WARRANTY Minimum Warranty (yrs) : 5 years replacement</p>
18	Dental Unit at UPHC	Dental Chair	Rate contract available with OSMCL. The purchase order to be placed by OSMCL once the site readiness for installation is received from the concern institutions.
19	Dental Unit At UPHC	Dental X-ray with RVG	Rate contract available with OSMCL. The purchase order to be placed by OSMCL once the site readiness for installation is received from the concern institutions.
20	Dental Unit At UPHC	Instrument Set	<p>As per requirement the clinician to decide the list of instruments</p> <p>Broad specification: 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 warrantec. All the instruments should be autoclavable.</p>
21	PHC HWC Lab	Haemoglobinometer (Strip/Cuvette)	Supply starts from OSMCL (provision under NVBDCP, IMR & MMR & DEIC)
22	PHC HWC Lab	Glucometer	To be Supplied from OSMCL as per requirement of NCD.
23	PHC HWC Lab	Colorimeter	<p>It is recommended to have Semi-Automated biochemistry analyzer in place of Colorimeter where the trained manpower (laboratory technicians are available).</p> <p>Rate contract available at OSMCL which is valid till 13/06/2020.</p>
24	PHC HWC Lab	Binocular Microscope	<p>Microscope Type: laboratory binocular non-hinged type with built in light and with light intensity regulator Conformity to Indian Standard: Research IS:5204 latest ISI MARKED :NA Eye piece Type : Compensating Binocular Eye pieces Confirming to the requirements of IS: 8275/1976 (latest) :Yes Eye Piece with magnification : Set of Two For Binocular 10x Objective Type : achromatic Objective Magnification :100X,40X,10X,4X Numerical Apertures of Objective: 1.25 Type of lamp for Illumination :LED Plano Concave mirror attachment :Yes Stage : Rectangular Size of Stage : 76 X 40 MM/Standards Size Coarse and Fine Movement of stage: Yes Co-axial focusing :Yes</p>

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			<p>Micrometer Arrangement :No</p> <p>ACCESSORIES</p> <p>Extra eyepieces (inclusive in the scope of supply) : NA</p> <p>Carrying case (inclusive in the scope of supply):Yes</p> <p>WARRANTY</p> <p>Warranty 2 year</p> <p>CERTIFICATION</p> <p>Availability of Test Report from Central Govt/NABL/ILAC accredited lab to prove conformity to specification No</p> <p>Test Report No and Date N.A.</p> <p>Name and Address of the Lab N.A.</p> <p>Manufacturer Should be ISO13485 certified</p> <p>Model should be CE/USFDA /ISI approved</p>
25	PHC HWC Lab	Near Vision Chart	<p>Name of Tool : Lea Symbols Near Vision Card/ISIHARA Near Vision Chart</p> <p>Type : "16 inches/40 centimeter Lea Near vision chart"</p> <p>Objective : To fulfill the criteria to be a good vision for children by measuring near visual acuity</p> <p>Use : "To assess the child's functional vision at near distances"</p> <p>Utility: Pre-school children of 3 to 5 years age group</p> <p>PRODUCT INFORMATION AND TESTING</p> <p>"Front side of the Lea symbol cards printed with proportionally spaced (log MAR) lines" : Yes</p> <p>"Back side of Lea symbol card printed with 25% and 50% spacing" : Yes</p> <p>"The card contains very familiar 4 symbols like circle, square, house and apple" : Yes</p> <p>All optotypes should be similar legibility : Yes</p> <p>Each line should have optotypes size ranging from 20/400 to 20/10 (6/120 to 6/3) equivalent : Yes</p> <p>Detection of mild amblyopia is possible with closed spacing of the symbols on Lea symbol card : Yes</p> <p>Test distance (cm) : 40</p> <p>Response key printed on the test card : Yes</p> <p>"Includes Student response or training card and instructions" : Yes</p> <p>Inclusive of conditioning flash card : Yes</p> <p>Can be used as wall hanging : Yes</p> <p>Material of the card "Non-tear waterproof material"</p> <p>Card size (cmxcm) : 20.3x25.4</p> <p>PACKING</p> <p>Packing (including user instructions) :Packed in a wallet</p> <p>CERTIFICATIONS</p> <p>Certification Available :Yes</p> <p>Manufacturer Quality certification (ISO)</p> <p>Product approval certificate for Clinical Use</p>
26	PHC HWC Lab	Color Vision Chart	<ul style="list-style-type: none"> Individuals with color vision defect should see a different figure from individuals with normal color perception. Makes use of the peculiarity that in red-green blindness, blue and yellow appear remarkably bright compared with red and green Diagnostic plates: intended to determine the type of color vision defect. International standard test chart books for color deficiency 38

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			<ul style="list-style-type: none"> ➤ Drug License Number: To provide ➤ Drug License date: To provide ➤ ISO 13485/ ICMED 13485 Certified Manufacturer (Proof of the same to be submitted to buyer on demand): YES ➤ CE(IVD) /BIS approved ➤ Manufacturer should be ISO 13485 certified
35	PHC HWC Lab	Peak Flow Meter	<p>The Peak Air Peak Flow Meter is used to measure your "Peak Expiratory Flow Rate," which is simply the highest speed you can blow air from your lungs.</p> <p>Type: Mechanical Peak Flow Meter</p> <p>Instant readings to help track any changes in the air flow.</p> <p>Dual Flow Range: Accurately measures for both adults and children.</p> <p>Compact, lightweight and portable</p> <p>Built-in flexible three zone management system</p> <p>Easy- to- read numbers</p> <p>Measurement Range 40-800 L/min</p> <p>Accuracy and repeatability assurance</p> <p>Washable</p> <p>Standards</p> <p>EN ISO 23747: 2009 compliance</p> <p>CE Approved/BIS</p> <p>Manufacturer should be ISO 13485 certified</p> <p>WARRANTY: The product is available with 1-year warranty.</p>
36	PHC HWC Lab	Lab Autoclave	<p>Peak Flow Meter-1, Reusable Mouthpiece-4 nos(2-Children & 2 Adults), Instruction Manual</p> <p>Type of Sterilizer: VERTICAL CYLINDRICAL Steam Sterilizer Pressure type Sterilizer Chamber size: 300 mm (Diameter) x 350 mm (Length), with Silicon door gasket (expansion type).</p> <p>Electric load of the unit shall be: 2-3 KW.</p> <p>Steam supply to Sterilizer : Steam Generation by electrically heated using immersion heaters wired for operation on 1 phase wire 230 Hz AC supply [with immersion heaters having mineral filled sheathed heating elements conforming to IS: 4159/2002 duly BIS marked and complying with safety requirements as per IS : 302-2-201(1992)]</p> <p>It should work with 1 phase 220/230 V 50 Hz AC supply</p> <p>Material: Sterilizer parts; Chamber, Jacket, Door, Door Ring and shall be made of SS 316/SS316L</p> <p>Type of control : Manual</p> <p>Provision of Lock on Steriliser Chamber door: Manual Lock</p> <p>Display facility for Sterilisation Cycle parameters : Manual pressure Gauge Steam & vacuum release valve .</p> <p>Warranty Period: 3 year</p> <p>Pressure, Steel & Spore Test Certificate from a Govt/NABL/ILAC approved testing laboratory shall be furnished by Seller to Buyer for the offered</p> <p>Product should be CE/BIS approved</p>

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Rotor Size: 8X15ml
 Power supply :Single phase, 230 V 50 HZ AC Source
 Power consumption in watts: 500Max
 Length of Power cord in meters 2
 The Equipment shall be installed and demonstrated before Acceptance installation and demonstration: Yes
 Accessories: Spanner to tight or loose Nut of Rotor on Motor shaft head puller, spare rotor nuts ,fuse-2,
 Warranty in Years 3
 Material Parameters:
 Assembly Material for manufacture of Medical Centrifuge: Consists of Die cast Aluminum, Aluminum sheet, Stainless Steel, CRC Steel, Plastic and Rubber
 Lid Material of Medical Centrifuge : mC.R.C Steel Finish with Powder Coating or stove painting / ABS Plastic of injection molding
 Body Material of Medical Centrifuge: C.R.C Steel Finish with Powder Coating or stove painting / ABS PLASTIC OF injection molding
 Centrifuge Bowl material of Medical Centrifuge: 304 Quality Stainless Steel Molded
 Material of Rotor : Aluminium,
 Standard:
 ISO13485 certification for Manufacturer: Yes
 Copies of all certifications and reports to be provided to buyer on demand at time of supplies Yes
 Product should be CE/USFDA/BIS approved

41 PHC HWC Lab Needle Destroyer

GENERAL Purpose :To destroy the used injection needles by instant electro melting process and to cut syringe tips manually using the appliance
 Type : Portable and electrical
 Principle of operation : Electro-melting type
CONSTRUCTION
 Suitable sliding tray shall be provided for collection of residue and destroyed syringe tips : yes
 Material of the Housing /enclosure : ABS Plastic
 Housing/enclosure shall be moulded type and shock proof: yes
 Provision to burn the needles and to cut the syringe tips shall be provided in the unit : yes
 Manual cutter provided in the equipment Made of hardened blade of anti-corrosive SS material
 Transformer winding : Copper
FUNCTIONAL
 Number of needles of 1mm dia and 80mm length that can be destroyed in continuous operation of 5 minutes 50
 Sizes of injection needles of all kinds which can be destroyed
 Dia Ranging from 0.4mm to 1.6mm (26 SWG to 14 SWG) with length 12.5mm to 80mm
ELECTRICAL
 Power supply : 207V to 253V,50Hz AC supply
 Power ON/OFF switch with indicator shall be provided : YES
 Rated power(Watts): 60 Watt
 Shall be provided with fuse and power cord of min 3m length and earthing point : YES

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			<p>Foldable for easy storage and transportation: Yes</p> <p>Anterior support Yes</p> <p>Forearm Supports with latex free flanged hand grips: Yes</p> <p>DIMENSIONS, MATERIAL & WEIGHT</p> <p>Material frame: Stainless steel tubular frame</p> <p>Height of walker with standard wheels (cm): NA</p> <p>Height of walker with activity wheels (cm): NA</p> <p>Distance between hand grips (cm): 34</p> <p>Frame width (Cm) : 58 to 60</p> <p>Frame length (cm) : 52-59</p> <p>Maximum user weight (kg): 100</p> <p>Frame weight (kg) : 2.5 to 3.0</p> <p>PACKING MODE</p> <p>All the main parts and accessories are Individually bubble wrapped and packed in a strong box to avoid transit damage Yes</p> <p>CERTIFICATIONS & REPORTS</p> <p>Submission of Test Report from Central Government /NABL/ILAC accredited Lab or Manufacture's in house Test Report to prove the conformity to declared specification at the time of supply Yes</p> <p>Certification Available: ISO for manufacturer</p> <p>Product should be CE/ BIS approved</p> <p>WARRANTY: 1 year</p>
46	PHC HWC Physiotherapy	Cervical traction (manual)	<p>Cervical Traction Kit is a complete apparatus designed to provide traction to the cervical and upper dorsal vertebrae.</p> <p>Cervical traction Kit includes the following:</p> <ul style="list-style-type: none"> > Traction Pulley Bracket > Cervical Traction Head Halter > Cervical Traction Spreader Bar > Traction Cord (Nylon rope) 5 meter. > Traction Weight Bag with weights <p>Controlled continuous traction</p> <p>Easy removal and application</p> <p>Reduced frictional losses</p> <p>Durable and sturdy for a long life and multiple use.</p> <p>Can be used in sleeping posture. Pulley is ergonomically designed to fit any bed side. Soft padded head halter provides a comfortable interface for the traction, is easy to wear and use.</p> <p>Manufacturer should be ISO13485 certified.</p> <p>Product should be CE/BIS certified.</p>
47	PHC HWC Physiotherapy	Exercise Bicycle	<p>i) Tubular steel frame on properly balanced legs with four rubber tips</p> <p>ii). Fitted with one hard rubber type wheel, standard chain and a socket</p> <p>iii). Seat should be adjustable</p> <p>iv). Should be fitted with a ball bearing resistance roller which permits controlled movement in riding</p> <p>v. LCD/LED display with speedometer.</p> <p>vi. Warranty: 3 Years</p> <p>Manufacturer should be ISO13485 certified</p> <p>Product should be CE/BIS certified</p>
48	PHC HWC	Lumber Traction manual	<p>It strengthens broken bones, immobilization or relieving pressure on the skeletal system.</p>

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No.	Particulars	Specification
1.	Head Light	Adjustable headband with light source, Light weight. High Intensity head lamp – 10 watts, Rechargeable battery with charger. Basic application – like ENT, Nasal, Ear, Endoscopy. Zoom/Focus – Adjustable.
2.	Tongue Depressor	Stainless Steel
3.	Thudicum Nasal Speculum	Stainless Steel
4.	Aural Speculum	Stainless Steel
5.	Nasal Dressing Forceps	Stainless Steel
6.	Aural Dressing Forceps	Stainless Steel
7.	Nasal Foreign Body Remover	Stainless Steel
8.	Quinsy Forcep	Stainless Steel
9.	Tilleys Lichtwiz Trocar & Canula	Stainless Steel
10.	ILS & PNS Mirror	Stainless Steel
11.	Electro Cautery / Thermo Cautery Machine	
12.	Septo Plasty Set	Stainless Steel
13.	Tonsitectomy Set	Stainless Steel
14.	Tracheostomy Set	Stainless Steel
15.	Direct Laryngoscope Set with Forceps	Stainless Steel
16.	Lucs Forceps	Stainless Steel
17.	ENT Surgical Head Light with Light Source	

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377	OT REAGENT			
378	TEST TUBE STAND FOR 10,20,30 ML	Each		
379	STERILE DISPOSABLE SWAB STICK	Each		
380	NON - CHLORINATED POLYBAGS (50 LTRS)	Each		
381	NEEDLE SYRINGE TERMINATOR	per kg		
382	SWING DUST BINS (50 LTRS)	Each		
383	DISPOSABLE SURGEON GOWN	Each	Neel kamal	
384	DISPOSABLE PATIENT GOWN	Each		
385	DISPOSABLE DRAW SHEET	Each		
386	BABY DRESS KIT (DRESS, CAP, GLOVES, SHOCKS, NAPKIN, TOWEL)	Each		
387	BABY NAPKIN	Each		

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List Of Antibiotic Disk

388	Ampicillin			
389	Amoxicillin Clavunic Acid			
390	Piperacillin & Tazobactam			
391	Cefuroxime			
392	Ceftriaxone			
393	Ertapenem			
394	Amikacin			
395	Gentamycin			
396	Ciprofloxacin			
397	Nitrofurantoin			
398	Cotrimoxazole			
399	Ofloxacin			
400	Ceftazidime			
401	Inipenem			
402	Meropenom			
403	Levofloxacin			
404	Chlorphenicol			
405	Azithromycin			
406	Cefotaxim			
407	Nalidixic Acid			
408	Aztreonem			
409	Cefepime			
410	Tobramycin			
411	Erythromycin			
412	Clindamycin			
413	Linezolid			
414	Teicoplanin			
415	Vancomycin			
416	Tetracycline			
417	Minocycline			
418	Doxyclyne			

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334	DISPOSABLE PETRI PLATES	Each	
335	DEXTROSE	Each	
336	SODIUM HYDROXIDE	Each	
337	BILE ESCULIN DISC	Each	
338	PH PAPER STRIP	Each	
339	ALKALINE PEPTONE WATER	Each	
340	BUNSEN BURNER	Each	
341	SPATULA SS	Each	
342	INOCULATING NICHROME LOOP WITH BRASS ROD 5& 10 MM	Each	
343	PLASTIC TRAY FOR LABORATORY	Each	
344	PLASTIC NASAL WASH BOTTLE	Each	
345	SELENILE F BROTH	Each	
346	BARIUM CHLORIDE DI HYDROXIDE	Each	
347	GLUCOSE PHOSPHATE BROTH	Each	
348	DURHAM'S TUBE	Each	
349	GLASS BEAKER 100ML	Each	Borosil
350	GLASS BEAKER 250ML	Each	Borosil
351	GLASS BEAKER 500ML	Each	Borosil
352	GLASS BEAKER 1000ML	Each	Borosil
353	CONICAL FLASK 100 ML	Each	Borosil
354	CONICAL FLASK 250 ML	Each	Borosil
355	CONICAL FLASK 500 ML	Each	Borosil
356	CONICAL FLASK 1000 ML	Each	Borosil
357	SODIUM THIO SULPHATE	Each	
358	EOSIN METHYLENE BLUE AGAR	Each	
359	40% UREA SOLUTION	Each	
360	5ML ROTOR FOR CENTRIFUGE CR-12C PLUS	Each	
361	RECTAL SWAB	Each	
362	ASPIRATOR BOTTLE 5 LTR	Each	
363	SCREW CAP VIAL GLASS 30 ML WITH STAND	Each	
364	ALBERT STAIN	Each	
365	DENGUE ELISA KIT (NS1, IGM IGG)	Each	
366	HEPATITIS A ELISA KIT (9GM)	Each	
367	HEPATITIS E ELISA KIT 9GM	Each	
368	SCRUB TYPHOS ELISA KIT	Each	
369	LEPTO SPIRA ELISA KIT (9GM)	Each	
370	20 LTR DILUENT FOR 3 PART CBC	Each	Medonic
371	AUTOCLAVE GLASS BOTTLE WITH LID 500ML	Each	
372	GLASS TEST TUBE 10ML	Each	Borosil
373	GLASS TEST TUBE 20ML	Each	Borosil
374	GLASS TEST TUBE 30ML	Each	Borosil
375	BROWN PAPER	Each	
376	ALUMINIUM FOIL	Each	

SICKLE CELL

294	HB ELECTROPHORESIS SYSTEM	Each		
295	MAGNETIC STIRRER WITH HOT PLATE	Each		
296	AGAROSE SPECIAL	100 gm/Pkt	Merck	
297	CARBON TETRACHLORIDE	500ml/Bt	Merck	
298	TRIS FREE BASE	100 gm	Merck	
299	DPX- MOUNT	250ml/Bt	Qualigen	
300	DE-IONISED WATER	5ltr/Jar	Nice	
301	CONICAL FLASK	Each	Borosil	
302	BORICK ACID		Merck	
303	PARAFFIN WAX	500gm	Nice	
304	PASTEUR PIPETTE	Each	Tarson	

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PUBLIC HEALTH LABORATORY

305	CLED AGAR	Each		
306	MAC CONKEY AGAR	Each		
307	NUTRIENT BROTH	Each		
308	PEPTONE WATER	Each		
309	XLD AGAR	Each		
310	MULLER HINNTON AGAR	Each		
311	CACY BLAIR MEDIA	Each		
312	NUTRIENT AGAR	Each		
313	CRISTENSEN UREA AGAR	Each		
314	MANNITOL MOTILITY AGAR	Each		
315	TRIPLE SUGAR IRON AGAR	Each		
316	TCBS AGAR	Each		
317	MOTILITY INDOLE ORNITHINE AGAR	Each		
318	LYSINE IRON AGAR	Each		
319	ROBERTSON'S COOKED MEAT MEDIUM	Each		
320	SALMONELLA SHIGELLA AGAR	Each		
321	METHYL RED INDICATOR	Each		
322	BLOOD AGAR PLATE	Each		
323	MAC CONKEY BROTH SS	Each		
324	MAC CONKEY BROTH DS	Each		
325	DEOXY CHOLETE CITRATE AGAR	Each		
326	SIMONS CITRATE AGAR	Each		
327	ZIP LOCK PLASTIC BAG	Each		
328	BLOOD CULTURE BOTTLE	Each		
329	HOT PLATE WITH MAGNETIC STIRRER	Each		
330	GRAM STAIN KIT	Each		
331	OXYDASE DISC	Each		
332	SODIUM DEOXY COLLETE	Each		
333	KOH	Each		

MS
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258	T-LTX ASO with Calibration	1X40ml/1X10m	ERBA
259	T-LTX CRP with Calibration	1X40ml/1X10m	ERBA
260	XL MULTICAL (SYSTEM)	4x3ml	ERBA
261	AUTO WASH ERBA	10x100ml	ERBA
262	XL AUTO WASH AC/AL	5X44ml	ERBA
263	CONTROL ERBA NORM	1x5ml	ERBA
264	CONTROL ERBA PATH	1x5ml	ERBA
265	SODIUM ELECTRODE		Medics
266	POTASSIUM ELECTRODE MEDICS		Medics
267	REF ELECTRODE MEDICS		Medics
268	CHLORIDE ELECTRODE MEDICS		Medics
269	INTERNAL FILLING SOLUTION MEDICS	125 ml	Medics
270	DAILY CLEANING SOLUTION. MEDICS	6x15ml	Medics
271	PM KIT FOR EM 200		
272	MICRO PROTEIN	10x12ml	ERBA
273	MICRO ALBUMIN ERBA	1x5/2x25ml	ERBA
274	HBA1C TERBIDO METRIC ERBA	1x25/1x8/1x4/2x 50ml	ERBA
275	MICRO PIPETTE TIP	each	
276	X-RAY FILM CLIP	each	
277	X-RAY FILM METAL NUMBER	Pkt	
278	X-RAY FILM PROCESSING TANK	9lt Tank Each	
279	CASSETTE 15X12	each	
280	CASSETTE 12X12	each	
281	CASSETTE 12X10	each	
282	CASSETTE 10X8	each	
283	INTENSIFYING SCREEN 15X12 SPEED 800	each	
284	INTENSIFYING SCREEN 12X12 SPEED 800	each	
285	INTENSIFYING SCREEN 12X10 SPEED 800	each	
286	INTENSIFYING SCREEN 10X8 SPEED 800	each	
287	SULPHUR POWDER	Pkt	
288	PPD (MANTOUX)	Each	
289	PPD SYRINGE	Each	
290	EDTA VIAL (ESR)	Each	
291	STERILE URINE CONTAINER 30ML	Each	
292	VLDL	Each	
293	DPX MOUNT FOR SICKLING	Each	
294	SAMPLE CUP FOR AUTO ANALYZER 2ML	Each	
295	CALIBRATOR FOR CBC	Each	
296	TUBING KIT	Each	
297	BEAKER 50 ML	Each	
298	BEAKER 100 ML	Each	
299	BEAKER 500, ML	Each	

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215	WBC SOLUTION			
216	WBC PIPETTE	500ml Bot.		
217	RBC PIPETTE	Each		
218	RBC SOLUTION	Each		
219	BENZIDINE POWDER	500ml Bot.		
220	SAFTY LANCET	25gm / Bot.		
221	URI STICK	each		
222	STAIN DROPPING BOTTLE	100stik Bot.		
		each		
CBC TEST MACHINE SYSMEX				
223	DCL CELL PACK			
224	SULFOLYSER SLS	20Lt.	ERBA	
225	FLUROCELL WDF	2x1.5Lt.	ERBA	
226	LYSERCELL WDF	2x42ml	ERBA	
227	CELL CLEAN	2x4Lt.	ERBA	
228	CONTROL HIGH, NORMAL, LOW	50ml	ERBA	
BIOCHEMISTRY TEST				
229	GLUCOSE (SYSTEM)			
230	ALBUMIN (SYSTEM)	10X44ml	ERBA	
231	TOTAL PROTIEIN	10X44ml	ERBA	
232	PLASMA SUGAR	10X44ml	ERBA	
233	SERUM BILIRUBIN TOTAL	10x44ml	ERBA	
234	SERUM BILIRUBIN DIRECT	6x44/3x22ml	ERBA	
235	SERUM SGOT (SYSTEM)	6x44/3x22ml	ERBA	
236	SERUM SGPT (SYSTEM)	6x44/3x22ml	ERBA	
237	ALKALINE PHOSPHATE ERBA	6x44/3x22ml	ERBA	
238	TRIGLYCERIDE	2x44/2x11ml	ERBA	
239	CHOLESTEROL (SYSTEM)	5x44/5x11ml	ERBA	
240	DIRECT HDL (SYSTEM)	10x44ml	ERBA	
241	DIRECT LDL (SYSTEM)	4x30/4x10ml	ERBA	
242	SERUM UREA ERBA	2x30/2x10ml	ERBA	
243	CREATININE ENZYMATIC	5x44/5x11ml	ERBA	
244	URIC ACID	5x30/5x10ml	ERBA	
245	CALCIUM (A)	5x44/5x11ml	ERBA	
246	SERUM LDH ERBA	10x12ml	ERBA	
247	SERUM AMYLASE ERBA	2x44/2x11ml	ERBA	
248	SERUM CRP ERBA	5x22ml	ERBA	
249	ELECTROLYTE SOLUTION PACK & CLEANING SOLUTION FOR SODIUM & POTASSIUM ERBA	2x40/2x10ml	ERBA	
250	HCV RAPID CARD ERBA	800ml	ERBA	
251	NS1 IGM & IGG FOR DENGUE CARD ERBA	30 test	ERBA	
252	TOXO PLASMA CARD ERBA	25 test	ERBA	
253	TROP I CARD ERBA	30 test	ERBA	
254	ASO QUANTITATIVE ERBA	20 test	ERBA	
255	RA FACTOR QUANTITATIVE ERBA	2x40/2x10ml	ERBA	
256	MALARIA ANTIGEN ERBAQIK PF/PAM	2x40/2x8ml	ERBA	
257	T-LTX RF WITH Calibration	25 test		
		1X40ml/1X10m	ERBA	

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170	GEL PACK	each	
171	WEIGH MACHINE ADULT	each	
172	SPRIT LAMP STEEL	each	
173	SPUTUM CONTAINER	each	
174	THERMO COOL BOX	each	
175	ACCU CHECK MACHINE	each	
176	GLUCOMETER WITH STRIPS	50no/ Bot.	Accu Check
177	HAEMOGLOBIN METER	each	German Make
178	LISHMAN STAIN QUALIGEN	500ml/ Bot.	
179	LISHMAN POWDER QUALIGEN	25gm / Bot.	
180	VACUTAINER CLOT ACTIVATOR	BD 5ml/ Each	
181	VACUTAINER EDTA - K3	BD 5ml/ Each	
182	VACUTAINER SODIUM FLUORIDE	BD 5ml/ Each	
183	VACUTAINER SODIUM CITRATE	BD 5ml/ Each	
184	SLIDE STAINING TRAY	each	
185	PLASTIC DROPPER	2ml/ Each	
186	FUNNEL CONICAL	each	
187	TOURNIQUET	each	
188	ABD ANTIGEN	Set	Tulip
189	HBSAG CARD	each	
190	VDRL CARD	each	
191	PREG TEST CARD	each	
192	WIDAL ANTIGEN	Kit	
193	ASO ANTIGEN	each	
194	RA FACTOR ANTIGEN	each	
195	N/10 HCL	500ml/ Bot.	
196	EDTA POWDER	100gm/Bot.	
197	BENEDICT'S SOLUTION	500ml/ Bot.	
198	GLACIAL ACETIC ACID	500ml/ Bot.	
199	10% BERIUM CHLORIDE	500ml/ Bot.	
200	FOUCHET REAGENT	100ml/ Bot.	
201	HYDROGEN PEROXIDE	100ml/ Bot.	
202	ESR STAND	each	
203	ESR TUBE	each	
204	TEST TUBE BOROSIL	10ml / Each	
205	TEST TUBE BOROSIL	20ml / Each	
206	CAPILLARY TUBE	Pkt	
207	TEST TUBE HOLDER	each	
208	STOP WATCH	each	
209	STEEL RACK SLIDE DRAYING	each	
210	MICRO PIPET 0.5-1.0 MICROLITER	Each	
211	MICRO PIPET PLASTIC TIP	Each	
212	TEST TUBE BRUSH	Each	
213	BORAX GLYCERINE	500ml Bot.	
214	HAEMOCYTOMETER	Each	

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125	VACUUM VIAL 3.8% SODIUM CITRATE	Each	
126	VACUUM VIAL CLOT ACTIVATOR	Each	
127	VACUUM VIAL K3 EDTA	Each	
128	WASH BOTTLE (500 ML)	Each	
129	WASH REAGENT FOR ANALYSER	Each	
130	WBC DILUTING FLUID	500 ml	
131	WBC DILUTING FLUID	500 ml	
132	WBC PIPETTE	Each	
133	WIDAL TEST KIT CARD	Each	ERBA
134	WIDAL TEST REAGENT	Each	
135	WINTROBES TUBE	Each	
136	X-RAY DEVLOPER	9 LTRS	
137	X-RAY FILM SIZE 12x12	Pkt of 50 Nos	
138	X-RAY FILM SIZE 10 X12	Pkt of 50 Nos	
139	X-RAY FILM SIZE 12X15	Pkt of 50 Nos	
140	X-RAY FILM SIZE 8 x10	Pkt of 50 Nos	
141	X-RAY FIXTURE	9 LTRS	
142	QBC TUBE VENUS	each	
143	QBC OIL	30ml	
144	EXAMINATION GLOVE	Pair	
145	HYPO CHLORIDE SOLUTION	5lt	
146	CIDEX SOLUTION	1lt	
147	MICROSCOPE	(Olympus CX23)	
148	IMMERSION OIL		
149	DIAMOND MARKER PEN		
150	GLASS SLIDE BLUE STAR	50pc/Pkt	
151	COVER SLIP BLUE STAR	Pkt	
152	SULPHURIC ACID	500ml / Bot.	
153	HALOGEN BULB MICROSCOPE	20w12v/each	
154	DISTILLED WATER	5lt Jar	
155	BASIC FUCHIN	25gm / Bot.	
156	METHYLENE BLUE	25gm / Bot.	
157	PHENOL	500gm/ Bot.	
158	TISSUE PAPER ROLL	Roll	
159	GLASS PHENOL	Bot.	
160	GLASS ROD	each	
161	DROPPING BOT.	each	
162	COTTON	500gm	
163	BOROSIL GLASS FLASK	5000ml	
164	MEASURING CYLINDER	500ml	
165	FILTER PAPER WHATSMAN	Pkt	
166	SLIDE BOX	25pc	
167	SLIDE BOX	100pc	
168	BLUE GLASS	each	
169	FALCON TUBE	each	

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Scanned by CamScanner

32	REAGENT OF HDL		Each	
33	REAGENT OF LDL		Each	
34	REAGENT OF TRIGLYCERIDE		Each	
35	REAGENT OF URIC ACID		Each	
86	REAGENT OF VLDL		Each	
87	REAGENT QUALITATIVE TEST FOR ASO		Each	
88	REAGENT QUALITATIVE TEST FOR RA FACTOR		Each	
89	REAGENT QUALITATIVE TEST FOR S CRP		Each	
90	REAGENT QUANTITATIVE TEST FOR RA FACTOR		Each	
91	REAGENT QUANTITATIVE TEST FOR S CRP		Each	
92	REAGENT QUANTITATIVE TEST FOR ASO		Each	
93	RPR CARD TEST FOR SYPHILLIS		Each	
94	S G O T REAGENT KIT		Each	
95	S G P T REAGENT KIT		Each	
96	S. ALBUMIN REAGENT KIT		Each	
97	S. ALKALINE PHOSPHATE REAGENT KIT		Each	
98	S. PROTINE REAGENT KIT		Each	
99	S. TOTAL PROTIN REAGENT KIT		Each	
100	SAMPLE TRAY		Each	
101	SEMEN DILUTING FLUID		BOTTLE	
102	SLIDE BOX 50 Nos		Each	
103	STAINING TRAY		Each	
104	STOMATOLYZER FOR CBC (MEDONIC) SERIES	M	5 LTRS, 3 Part CBC	
105	STOMATOLYZER FOR CBC (SYSMEX) XS-800i*161949		500 ML, 5 Part CBC	
106	STOPPER QBC		Pkt	
107	SURGICAL SPIRIT		400 ML	
108	TEST TUBE HOLDER		Each	
109	TEST TUBE (12X100) 7ML		Each	
110	TEST TUBE (2X75) 5ML		Each	
111	TESTING CLENIING BRUSH		Each	
112	TISSUE PAPER		Roll	
113	TORNIQUET		Each	
114	TOXOPLASMA CARD RAPID DIAGNOSTIC KIT		Each	
115	TROPONIN -I RAPID TEST CARD		Each	
116	TUBE RACK (GLASS) 90 PLACES		Each	
117	ULTRASOUND JELLY		200 ML	
118	ULTRASOUND THERMAL PRINTING PAPER		PKT	
119	UREA REAGENT KIT		Each	
120	URINE CONTAINER 5ML		Each	
121	URISTICK WITH MULTIPARA METER		Pkt of 100 Nos	
122	VACCUM VIAL HEPARIN		Each	
123	VACCUM VIALSODIUM FLUORIDE		Each	
124	VACUUM VIAL 2.3% SODIUM CITRATE		Each	

			German Make
37	HAEMOGLOBINOMETER SET	Each	
38	HB PIPETTE	Each	
39	HBA1C REAGENT TEST KIT & CARD	Each	
40	HBSAG RAPID TEST KIT	Each	
41	IMMERSION OIL FOR MICROSCOPE	BOTTLE	
42	JSB STAIN-1	500 ml	
43	JSB STAIN-2	500 ml	
44	LANCET	Pkt of 100 nos.	
45	LEISHMAIN'S STAIN	500 ml	
46	LENS CLEAN TISSUE PAPER	Pkts	
47	METHANOL	500 ml	
48	METHYLENE BLUE	BOTTLE	
49	MICRO PIPETTE 0.2-10 MICRO LT.	Each	
50	MICRO PIPETTE 200-1000 MICRO LT.	Each	
51	MICRO PIPETTE 2-200 MICRO LT.	Each	
52	MICRO TIP 0.2 TO 10 MICRO LTR	Pkt	
53	MICRO TIP 2 TO 200 MICRO LTR	Pkt	
54	MICRO TIP 200 TO 1000 MICRO LTR	Pkt	
55	MICROCENTRIFUSE TUBE	Each	
56	MICROCENTRIFUSE TUBE RACK	Each	
57	MICROSCOPE LENS-100X	Each	
58	MICROSCOPE-45X	Each	
59	MICROSCOPE-BULB-(6V-20W)	Each	
60	N/10 SOLUTION	500 ml	
61	OCCULT BLOOD RAPID TEST CARD	Each	
62	OCCULT BLOOD REAGENT	Each	
63	PIPTTE STAND 5 PLACES	Each	
64	PLATELET DILUTION FLUID	Each	
65	PV/PFR RAPID TEST CARD	BOTTLE	ERBA
66	QBC CAPI LLARY TUBE	Each	
67	QBC OIL	Each	
68	R B C DILUTING FLUID	Each Botts	
69	RAPID TEST CARD FOR HAV	BOTTLE	
70	RAPID TEST CARD FOR HCV	Each	
71	RAPID TEST CARD FOR HEV	Each	
72	RAPID TEST CARD FOR HIV	Each	
73	RAPID TEST KIT FOR PREGNANCY	Each	
74	RAPID TEST KITFOR H C V	Pkt of 50 Nos	
75	RAPID TEST KITFOR H I V	Each	
76	RBC DILUTING FLUID	Each	
77	REAGENT FOR ORTHOTOLUDINE KIT	BOTTLE	
78	REAGENT OF AMYLASE	Each	
79	REAGENT OF CHOLESTEROL	Each	
80	REAGENT OF COOMB'S TEST DIRECT	Each	
81	REAGENT OF COOMB'S TEST INDIRECT	Each	

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PRICE BID (COVER-B)

SL. No	Name of the Reagents & Consumables Items	Unit	Brand Name	Rates(Inclusive of all Taxes)
1	A E C DILUTING FLUID	500ml		
2	ANALYSER PAPER	Roll		
3	ANTIGEN A 10ml	Each	Tulip	
4	ANTIGEN B 10ml	Each	Tulip	
5	ANTIGEN D 10ml	Each	Tulip	
6	BILIRUBIN REAGENT KIT	Each		
7	CARBOL FUCHIN REAGENT	500ml		
8	CELL CLEAN	500ml		
9	CELL PACK FOR ELECTROANLYSER	Each		
10	CONC. SULFURIC ACID	500 ML		
11	COTTON SWAB	Pkt		
12	COVER SLIP	Pkt	Blue Star	
13	CREATININE REAGENT KIT	Each		
14	DENGUE REAGENT FOR ELISA	Each		
15	DILUENT FLUID FOR CBC (MEDONIC) M SERIES 20 LTRS,3 Part CBC	Each		
16	DILUENT FLUID FOR CBC (SYSMEX)XS-800i*161949 20 LTRS,5 Part CBC	Each		
17	DISP.EXAMINATION GLOVES(6.5/ 7)	Each Pair		
18	DISPOSABLE E.S.R PIPETTE	Each		
19	DISPOSABLE SYRINGE 2 CC	Each		
20	DISPOSABLE SYRINGE 3 CC	Each		
21	DISPOSABLE SYRINGE 5 CC	Each		
22	DISTILLED WATER 5 ltrs Jar	Each		
23	DROPPING BOTTLE (200ML)	Each		
24	E S R STAND for 6 tubes	Each		
25	ECG JELLY 200ml	Each		
26	ECG PAPER A4	Pkt.		
27	ELISA TEST KIT FOR HEPATITIS A 48/96 TESTS	Each		
28	ELISA TEST KIT FOR HEPATITIS E 48/96 TESTS	Each		
29	FILTER QBC Pkt	Each		
30	FRONT APRON	Each		
31	ISOPROPYL SPRIT 5 ltrs Jar			
32	GLASS SLIDE	50 Nos/Per Box	Blue Star	
33	GLASS TUBE (12X15)	Each		
34	GLUCOSE REAGENT KIT(GOD,POD METHOD)	500 ML		
35	HEMATOCRIT TEST KIT(10 KITS PER PACK)	Each		
36	HAEMOCYTOMETER	Each		