



OFFICE OF THE CHIEF DISTRICT MEDICAL & PUBLIC
HEALTH OFFICER, KANDHAMAL
E-Mail: cdmophulbani@gmail.com,
Phone / Fax No- 06842-253249

No. 6489
DWH / 40-II / NIDAN / 19-20

Phulbani

Dated 31/05/2019

To

The Director,
I & PR Department, Govt. of Odisha
Lok Sampark Bhawan, Bhubaneswar
E-mail id: ipr.advt@gmail.com / iprenews@gmail.com

Sub: **Publication of the advertisement related to supply of Diagnostic Reagent, Kits, Chemicals & Consumables under NIDAN to Kandhamal district.**

Sir,

Please find here with a specimen copy of the advertisement related to **supply of Diagnostic Reagent, Kits, Chemicals & Consumables under NIDAN to Kandhamal district** for Publication of the same in two nos. of daily news paper (One Odia & One English) (One time) by **Dt.02.06.2019**.

This is for favour of your kind information and necessary action.

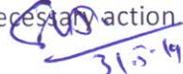
Yours faithfully,


Chief District Medical & PH Officer,
Kandhamal

Date: 31/05/2019

Memo No. 6490 / DWH

1. Copy to the DI & PRO, Kandhamal for information and necessary action.
2. Copy to the DIO, NIC, Kandhamal for information with a request to publish the same along with the enclosures (enclosed herewith) in the District website of Kandhamal district for wide publicity.
3. Copy to the Head Clerk, O/o CDM&PHO, Kandhamal for information and necessary action.


Chief District Medical & PH Officer,
Kandhamal

OFFICE OF THE CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER, KANDHAMAL

No. 6488 /DWH

Tender Call Notice

Date 31.05.2019

Sealed tenders are invited from authorized firms for **supply of Diagnostic Reagent, Kits, Chemicals & Consumables under NIDAN to Kandhamal district**. The details are available in the district website: www.kandhamal.nic.in . The eligible bidders may submit their tender papers **on or before 25.06.2019 by 5 PM** through Registered Post / Speed Post / Courier / **drop in the Tender Box** available at O/o CDM&PHO, Phulbani. The **Technical Bid will open on 26.06.2019 at 5 PM** and the **Price Bid document will open on 27.06.2019 at 5 PM** by the purchase committee in the office chamber of the undersigned. The undersigned reserves the right to accept or reject any or all the tender without assigning any reason thereof.

Sd/-

Chief District Medical & PH Officer, Kandhamal



CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER
KANDHAMAL

Tel: 06842-253385;
e-mail :cdmophulbani@gmail.com,

Tender Reference No. DWH/2019-20/6488/NIDAN

TENDER DOCUMENT
FOR
SUPPLY OF
DIAGNOSTIC REAGENT, KITS, CHEMICALS,
CONSUMABLES
UNDER
NIDAN

Address for Correspondence- Office of the Chief District
Medical & Public Health Officer, Kandhamal
At/Po-Phulbani, Dist- Kandhamal, Odisha
Pin-762001

ABSTRACT OF CONTENTS IN THE TENDER PAPER

Sl No	Content	Page No
1	Section-I Notice Inviting Tender	01
2	Section-II Important Instructions to be Noted Carefully by the Tenderers	02
3	Section-III Terms & Conditions for supply of Diagnostic Reagent, Chemicals, Kits & Consumables	03-05
4	Annexure-I Check List	06
5	Annexure-II List of Items to be tendered	07-12
6	Annexure-III List of items quoted Format	13
7	Annexure-IV Price Bid Format	13
8	Annexure-V Declaration by Notary regarding Black Listed	14
9	Annexure-VI Authorization Letter from Manufacturer Unit	15
10	Annexure-VII Self Declaration regarding rate quoted	16
11	Annexure-VIII Self Declaration regarding binding of rate quoted	16
12	Annexure-IX Self Declaration regarding supply of items within stipulated time period	17
13	Annexure-X Declaration regarding minimum turn over	18
14	Annexure-XI Technical Specification of the items	19-31

OFFICE OF THE CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER, KANDHAMAL

SECTION -I

NOTICE INVITING TENDER

Tender Reference No. : - DWH/2019-20/6488/NIDAN

Dated: 31.05.2019

TENDERS ARE INVITED FROM ELIGIBLE BIDDERS AS PER THE ELIGIBILITY CRITERIA FOR SUPPLY OF DIAGNOSTIC REAGENT, CHEMICALS, KITS AND CONSUMABLES

1	Period of Availability of Tender Document	<p>From 01.06.2019 TO 25.06.2019 (Downloadable from website: www.kandhamal.nic.in)</p> <p>In case of any bid amendment and clarification, responsibility lies with the bidders to collect the same from the above mentioned website before last date of submission of tender document and the tender inviting authority shall have no responsibility for any delay / omission on part of the bidder.</p>
2	Last date & time for submission of Tender	<p>Date: 25.06.2019, Time: 5 PM Address of Submission of Bid: OFFICE OF THE CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER, KANDHAMAL At/Po- Phulbani, Dist.- Kandhamal, Pin- 762001 (Through Speed post / Registered post / Courier / drop in the Tender Box available at O/o CDM&PHO, Phulbani</p>
3	Date, time and place of opening of Tender	<p>A. Technical Bid (Cover-A): Opening – 26.06.2019 at 5 PM in the address mentioned above. B. Financial Bid (Cover B): Opening – 27.06.2019 at 5 PM in the address mentioned above. (Venue is mentioned at the address mentioned above) (Bidders / authorized representative may remain present at the time of opening of bid)</p>

SECTION -II**IMPORTANT INSTRUCTIONS TO BE NOTED CAREFULLY BY THE TENDERERS**

1.	Mode of Procurement	Through Open Advertisement
2.	Purchaser	Chief District Medical & Public Health Officer, Kandhamal
3.	Consignee	DHH,SDH,AH,CHC, PHC (N), SC etc of District Kandhamal
4.	Delivery Period	Within 15 days from issue of the purchase order.
5.	Mode of Delivery	By Air / Road / Rail
6.	Tender Document Cost	Rs. 2,000/- : The tender document cost (Non-refundable) is to be submitted in the shape of bank draft in favour of the ZSS Non NRHM Fund, Kandhamal from any Nationalized / Scheduled Bank payable at Phulbani.
7.	Earnest Money Deposit (EMD)	The bidder may quote for any or all the items by submitting the required EMD (Refundable) of Rs.20,000/-. The Earnest Money Deposit will be paid in the shape of demand Draft only in favour of ZSS Non NRHM Fund, Kandhamal from any Nationalized / Scheduled Bank payable at Phulbani.

SECTION -III**TERMS & CONDITIONS**

Sealed tenders are invited from the eligible bidders as per the eligibility criteria for **supply of Diagnostic Reagent, Chemicals, Kits and Consumables** for the District, Kandhamal.

1. The bidders have to submit their tenders in separate sealed covers (i.e. **Cover "A"-Technical Bid & Cover "B"- Price Bid**). Both the covers should be put into a third **Cover "C"** which must be super-scribed as "**Tender for "Supply of Diagnostic Reagent, Chemicals, Kits and Consumables"** and **Tender Reference No. 6488/NIDAN**.".
2. **The Cover "A" (Technical Bid) should contain as follows:**
 - 1) Checklist with details of the documents enclosed in **Cover "A"** (as per **Annexure - I**) with page number. The document should be **serially arranged** as per this **Annexure - I** and should be securely tied and bound.
 - 2) Manufacturing unit / supplier, who has been blacklisted either by the Tender inviting authority or by any state Govt. or Central Govt. organization, is not eligible to participate in the tender for that item during the period of blacklisting. They should submit a declaration about this by a **Notary Public as per Annexure-V**.
 - 3) EMD **Rs.20,000/-** (Rupees Twenty Thousand only - Refundable) in shape of Bank Draft / Bankers Cheque in favour of ZSS Non NRHM Fund, Kandhamal payable at Phulbani.
 - 4) Tender Paper Cost **Rs.2000/-** (Rupees Two Thousand only – Non-refundable) in shape of Bank Draft / Bankers Cheque in favour of ZSS Non NRHM Fund, Kandhamal payable at Phulbani.
 - 5) List of Item (s) Quoted individually in the prescribed format (**Annexure – II**).
 - 6) Copy of organization PAN.
 - 7) Copy of organization Income Tax Acknowledgement Report (**Assessment Year 2016-17, 2017-18, 2018-19**) and copy of the audited financial statement for the last three financial year i.e. 2015-16, 2016-17 & 2017-18.
 - 8) Photocopy of the GST registration certificate and last three months GST return filling copy i.e. Jan-2019 to March-2019.
 - 9) The manufacturer / supplier should have 5 years market standing in supplying above tendered items to Govt./Corporate/PSU Hospitals in India. The copy of purchase order from the user should be furnished in support of the information provided in the market standing statement (item wise).

- 10) Performance Statement during the last three years towards proof of supply of above tendered items to any Govt./Corporate/PSU Hospitals in India. The copy of certificate from the user should be furnished in support of the information provided in the performance statement.
- 11) Copy of Valid Manufacturing License of the manufacturer (s) / Import License by the Importer (s) / Authorization certificate from the Original Manufacturer (s) as per **Annexure-VI**.
- 12) Copy of valid ISO Certificate.
- 13) Copy of valid ISI / CE / BIS / US FDA / IEC certificate.
- 14) All the tender documents should sign by the bidders at the bottom of each page with his official seal duly affixed.
- 15) They should quote the rates for individual items inclusive of packing, forwarding, door delivery and exclusive of GST and should submit a self declaration about this as per **Annexure-VII**.
- 16) They must submit the undertaking that they will supply the stocks **within 15 days** after receipt of the Purchase Order from this office. In case of non-supply, the authority may allow extension for a **maximum period of 5 (five) days** after the stipulated date of supply with a **penalty of 0.1% per day**, which will be deducted from the purchase order value as "**Liquidated Damage**".
- 17) If the supplier fails to complete the supply within the extended period, i.e. 20 days after being allowed by the purchaser, no further purchase order will be placed to the firm for the said item including forfeiture of the EMD and the concerned firm will be blacklisted for three (3) years from the date of issue of letter for the said item.
- 18) Violating the tender terms and conditions & non supply / supply which is not as per technical specification will disqualify the firm to participate in the tender for a period of three (3) years from the date of issue of letter and his E.M.D will be forfeited and no further purchase order will be placed to that firm for that item.
- 19) The supplier shall have a minimum Annual average turnover of Rs.1 (One) Crores or more in the last three year financial years i.e. 2015-16, 2016-17 & 2017-18 and copy of the audited financial statement for the last three financial year i.e. 2015-16, 2016-17 & 2017-18.

3. General Condition:

- 1) Eligible bidders should submit their tender documents to the CDM&PHO Kandhamal through **Speed Post / Registered Post / Courier / drop in the Tender Box available at O/o CDM&PHO, Phulbani on or before 25.06.2019 by 5 PM.**
- 2) Any tender documents received after the due date & time will be rejected and returned to the sender unopened.

- 3) Violating the tender terms and conditions & non-supply / partially supply / supply, which is not as per technical specification, will be declared as **Blacklisted** and disqualify the firm to participate in any tender of this district for a period of next 03 (three) years from the date of issue of the letter and his E.M.D. will be forfeited.
- 4) Tenders documents should be typewritten or computerized, failing which the bidders will be ineligible for consideration. No further correction will be allowed.

4. The Cover "B" (Price Bid) should contain as follows:

- 1) Financial Bid must be submitted in the prescribed format as attached in **Annexure- IV**. No other document should be enclosed in the Financial Bid. The Financial Bid should be sent in a separate sealed cover called **Cover "B" (Price Bid)**.
- 2) The rates should be computerized.
- 3) The rates should be quoted from the reputed manufacturers.
- 4) The price quoted by the tenderers shall not in any case, exceed the controlled price, if any, fixed by the Central / State Government / DGS&D and the Maximum Retail Price (MRP). The purchaser, at his discretion, will in such case, exercise the right of revising the price at any stage so as to conform to the controlled price or MRP as the case may be deleted.
- 5) The rate quoted and accepted will be binding on the tenderer for a period of **one year** from the date of approval of the rate contract and on no account, any increase in the price will be entertained till the completion of this tender period.
- 6) If there is difference between figures & words, words will be taken into consideration.

The last date for submission of the tender documents is fixed on **25.06.2019 by 5 PM**. The Technical Bid will be opened on **26.06.2019 at 5 PM** by the purchase committee.

The undersigned reserves the right to reject or cancel any or all the tenders without assigning any reason thereof.


Chief District Medical & PH Officer
Kandhamal

CHECK LIST

Sl. No.	List of Tender Documents Submitted	Yes	No	Page No.
1	Cover "A"-Technical Bid			-
2	Cover "B"- Price Bid			-
3	EMD Rs.20,000/- (Rupees Twenty Thousand only - Refundable) in shape of Bank Draft / Bankers Cheque in favour of ZSS Non NRHM Fund, Kandhamal payable at Phulbani.			
4	Tender Paper Cost Rs.2000/- (Rupees Two Thousand only – Non-refundable) in shape of Bank Draft / Bankers Cheque in favour of ZSS Non NRHM Fund, Kandhamal payable at Phulbani.			
5	List of Item (s) Quoted in the prescribed format (Annexure – III)			
6	Self attested photocopy of organization PAN.			
7	Self attested photocopy of organization Income Tax Acknowledgement Report (Assessment Year 2016-17, 2017-18, 2018-19) and copy of the audited financial statement for the last three financial year i.e. 2015-16, 2016-17 & 2017-18.			
8	Self attested photocopy of the GST registration certificate and last three months GST return filling copy i.e. Jan-2019 to March-2019.			
9	Self attested photocopy regarding 5 years market standing in supplying above items to Govt./Corporate/PSU Hospitals in India.			
10	Performance Statement during the last 3 years towards proof of supply of similar EIF to any Govt./Corporate/PSU Hospitals in India. The copy of certificate from the user should be furnished in support of the information provided in the performance statement.			
11	Self attested photocopy of valid ISO certificate.			
12	Self attested photocopy of valid ISI / CE / BIS / US FDA / IEC certificate.			
13	All the tender documents should sign by the bidders at the bottom of each page with his official seal duly affixed.			
14	Declaration by Notary Public regarding blacklisted of Manufacturer / supplier either by the Tender inviting authority or by any state Govt. or Central Govt. organization as per Annexure-V .			
15	Copy of Valid Manufacturing License of the manufacturer (s) / Import License by the Importer / Authorization letter from the Original Manufacturer as per Annexure-VI .			
16	Self Declaration regarding quote the rates for individual items inclusive of packing, forwarding, door delivery and exclusive of GST charges as per Annexure-VII .			
17	Self Declaration regarding the rate quoted and accepted will be binding on the tenderer for a period of one year from the date of approval of the rate contract and on no account, any increase in the price will be entertained till the completion of this tender period as per Annexure-VIII .			
18	Undertaking regarding they will supply the stocks within 15 days after receipt of the Purchase Order from this office as per Annexure-IX .			
19	Declaration regarding the supplier shall have a minimum annual average turnover of Rs.1 (One) Crores or more in the last three year financial years i.e. 2015-16, 2016-17 & 2017-18 as per Annexure-X . The bidders shall submit the audited financial statement for the last financial year i.e. 2015-16, 2016-17 & 2017-18 for verification of turnover.			

TENDER ITEMS

Sl. No.	Name of the Item	Name of the Method
1	3.8% Sodium Citrate Solution (ESR) 100ml	
2	40% urea solution	
3	Acetone	
4	Agar 500gm	
5	Agarose:	
6	Albert stain kit	
7	Alkaline peptone water 500mg	
8	Alpha naphthylamine solution	
9	Alpha-naphtol for VP test	
10	Aluminium Foil	
11	Amonium Sulphate	
12	ANTI-A 10ml	
13	ANTI-B 10ml	
14	ANTI-D 10ml	
15	ANTIGEN for Red Cell Pannel	
16	ASO Antigen	
17	Baciloacid 500ml	
18	Barium chloride(BaCL ₂) 500gm	
19	Beaker 1000 mL:	
20	Beaker 500 mL:	
21	Bendicts Solution	
22	Bile esculin agar 100gm	
23	Bilirubin (D)	Jendarssik-groff method
24	Blood agar Plates(Ready prepared)	
25	Blood sample carrying cool pack	
26	Blood Sugar (Lab Method) 150ml	
27	Blood Tellurite agar	
28	Blood Urea	UV- Kinetic Method
29	Boric Acid (crystal salt):	
30	Borosil Glass Test tube Rimless (10 ml).	
31	Borosil Glass Test tube Rimless (20 ml).	
32	Borosil Glass Test tube Rimless (30 ml).	
33	Bovine Albumin	
34	Bowl (steel)	
35	Brilliant green Hiveg agar 500gm	
36	Bromothymol blue indicator	
37	Cappillary Tube (pkt of 30's)	
38	Carbolic Acid 500ml	
39	Carbon Tetra Chloride (CCl ₄):	
40	Carry Blair medium 500mg	
41	Catalase Test Hydrogen peroxide 500ml	
42	Cholera-RDT kit	
43	Chromogenic Coliform Medium without Membrane Filter	
44	CLED Agar(Bromothymol blue) Himedia 500mg	

Sl. No.	Name of the Item	Name of the Method
45	Conical flask (1000ml)	
46	Conical flask (100ml)	
47	Conical flask (250ml)	
48	Conical flask (500ml)	
49	Coombs Reagent (Direct & indirect) (AHG Anti C3d monoclonal)	
50	CRP: C-REACTIVE PROTEIN (CRP) - SLIDE	
51	Dengue IgM/ IgG Rapid	
52	Dengue Rapid KIT (Dengue NS1 Ag Rapid)	
53	Deoxycholate citrate agar 100gm	
54	Dipsticks for Urine test for Protein and Sugar	
55	Distiled Water 5 ltr. Jar	
56	Durahm's tube GW163	
57	EDTA Crystal	
58	EDTA K3 vial 2ml	
59	EDTA Vial 5ml	
60	Electrolyte Analyzer Catridge (NA+, K+)	
61	ESR Pippet	
62	ESR Tube with Stand	
63	ESR Westergen Tube	
64	Ethylene-diamino-tetra acetic-acid, disodium salt (EDTA) or Ethylene-dinitrilo-tetra acetic-acid, disodium salt (EDTA): 500gm	
65	Ferric chloride	
66	Filter paper grade-1:	
67	Floride Vial 2ml	
68	Gelatin 500ml	
69	Glass Coverslip	
70	Glass Marker	
71	Glass plates:	
72	Glass vial 20ml	
73	Glucometer	
74	Glucometer Autodisable Lancet	
75	Glucometer Strip	
76	Gluteraldehyde	
77	Glycerol 500ml	
78	Gram staining kit	
79	H2S Strip	
80	Haematology test Reagent for Automated haematology Analyzer (3 part)	
81	Haematology test Reagent for Automated haematology Analyzer (5 part)	
82	Haemoglobino Meter (Manual & Digital)	
83	Hand protector grip for hot glass-wares:	
84	Hand wash 100 mL:	
85	Hb Pipette	
86	Hb tube	
87	HBsAG (Hepatitis B Surface Antigen) (Rapd test)	
88	HCSAG (Hepatitis C Surface Antigen) (Rapd test)	
89	Hektoen Enteric Agar 500gm	

Sl. No.	Name of the Item	Name of the Method
90	Hepatitis IgM A and E Kit for ELISA test	
91	HiCrome UTI Agar	
92	HIV (Rapid) Whole Blood Finger Prick Test Kits	
93	Hugh and Leifson's medium (OF basal medium) 100gm	
94	Hypochlorite Solution (1ltr.)	
95	Immersion Oil (Microscope)	
96	Interdental Cleaning Aids	
97	Isopropyl Alcohol	
98	Jobson - Horne - Probe	
99	JSB Stain-I (Malaria Parasite)	
100	JSB Stain-II (Malaria Parasite)	
101	Kligler Iron Agar 100gm	
102	Kovac's Indole reagent	
103	Laboratory Stain (Giemsa Stain)	
104	Laboratory Stain (Leishman Stain)	
105	Lens Paper (For Microscope)	
106	Liquid Paraffin 500ml	
107	Loeffler's serum slope	
108	Lysine Iron Agar 500gm	
109	Lysol 500ml	
110	Mac-conkey Agar 500mg	
111	Mac-conkey broth 500gm (Double strength MS39S)	
112	Mac-conkey broth 500mg (Single strength M007)	
113	Malaria Rapid Kit (Malaria Antigen Rapid (Pan Specific / pf))	
114	Mannitol Motility Agar 100gm	
115	Mannitol Salt Agar Base 100gm	
116	Measuring cylinder 100 mL:	
117	Measuring cylinder 500 mL:	
118	Measuring Cylinder 50ml	
119	Methanol	
120	Methyl Red Indicator	
121	Methylene Blue 0.1%	
122	Microcentrifuge Tube (2ml) (Tarson)	
123	Microcentrifuge tube 1.5ml:	
124	Microcentrifuge tube rack 20 places:	
125	Micropipette (100-1000 µl)	
126	Micropipette (10-100 µl)	
127	Micropipette (1-10 µl)	
128	Microscopic glass slides	
129	Microtip (100-200 µl) Large	
130	Microtip (1-100 µl) Small	
131	Motility indole ornithine agar 100gm	
132	Mouth Gag	
133	MR-VP broth 500gm	
134	Mueller Hinton Agar 500gm	
135	N/10 Hydrochloride Solution (Haemoglobin Estimation)	
136	Nasal Speculum (St. Claire's) *	
137	Neuber Chamber	
138	Neuber's Chamber with coverslip	

Sl. No.	Name of the Item	Name of the Method
139	Nitrate broth 100gm	
140	Nitrate reductase test	
141	Nutrient agar 500mg	
142	Occult Blood	
143	Oxidase disc Bottle	
144	Paraffin wax 500 gm:	
145	Parafilm roll	
146	Pasteur pipettes:	
147	pH paper strip (PKT OF 200)	
148	Phenylalanine Agar 100gm	
149	Pipate Tips	
150	Pipette Stand	
151	Plain Vial 2ml	
152	Plastic beaker 500ml	
153	Plastic boxes (large):	
154	Plastic Funnel	
155	Plastic Trays (large for lab use):	
156	Platelete Diluting Fluid (Platelet Count) 500ml	
157	Pottassium hydroxide 500gm	
158	Pre sterilised & Disposable petridishes 80 - 90 mm	
159	Pregnancy Kit (Urine Pregnancy Test)	
160	PT Reagent (Prothombin Time)	SRBA' Protime LS
161	RAF Antigen	
162	RBC Diluting Fluid (Total Red Blood Cell Count) 500ml	
163	RBC Diluting Pippette	
164	Reagent Bottle:	
165	Rheumatoid Factor (Rh Typing)	
166	Rheumatoid Factor (Rh Typing)	
167	Robertson Cooked Meat Medium	
168	RPR Card (Syphills) (VDRL)	
169	Rubber band in kg	
170	S. Albumin	Bromocresol-green Method
171	S. Alkaline Phosphate	PNPP method
172	S. Amaylase	
173	S. Bilirubin (T)	Jendarssik-groff method
174	S. Calcium	Arsenazo III
175	S. Cholesterol	CHOD / POD method
176	S. Creatinin	
177	S. HDL	Selective Detergent method
178	S. LDH	IFCC method
179	S. Potacium	
180	S. Sodium	
181	S. Total Protein	Biuret method
182	S. Triglyceride	GPO/POD method
183	S. Uric Acid	URICASE/POD method
184	S. VLDL	
185	Salmonella Shigella Agar 500gm	
186	Sanisol Disinfectant 100ml	
187	Selenite-F Broth 100gm	
188	SGOT	Optimised IFCC method

Sl. No.	Name of the Item	Name of the Method
189	SGPT	Optimised IFCC method
190	Sickling Test kit	
191	Simmon citrate Agar 500gm	
192	Slide Drying Rack	
193	Sodium chloride 500gm	
194	Sodium Nitrofrusamide	
195	Specimen Containder 50ml	
196	Spirit (Rectified) 500ml	
197	Spirit Lamp	
198	Spreader Autoclavable	
199	Staining racks	
200	Staining rods	
201	Staining Tray	
202	Steel tray with cover	
203	Sterile Cotton Swab-PW003- pkt of 1000nos	
204	Sterile Cotton Swab-PW1136-1X500nos	
205	Sterillium 500ml	
206	Storage box:	
207	Storage vial:	
208	Sulphanilic Acid	
209	Sulphuric Acid 25% 500ml	
210	Test tube 100 ml	
211	Test Tube 10ml	
212	Test Tube 20ml	
213	Test Tube Rack	
214	Test tube rack 62 places:	
215	Tissue paper roll:	
216	TLC Diluting Fluid 500ml	
217	Total Eosinophil Count Fluid 500ml	
218	Toxoplasma (Rapid)	
219	TRBC Fluid 500ml	
220	Triple Sugar Iron Agar 500gm	
221	Tris (hydroxymethylaminomethane) buffer GR:	
222	Tris Buffer	
223	Troponin T	
224	Troponin-I (Card Test)	
225	Tunning Fork	
226	Turnicate	
227	Typhoid Rapid test kit	
228	Urea Agar 500gm	
229	Urine Collection Bottle 30ml	
230	Uri-Stic (URINE Complete rapid test reagent strips)	
231	Vacutainer:	
232	Vesline	
233	Wash bottle with long nozzle for dispensing:	
234	Wax	
235	WBC Diluting Fluid (TLC)	
236	WBC Diluting Pipette	
237	Widal Test Kit	
238	Wide mouth bottle 1000ml	

Sl. No.	Name of the Item	Name of the Method
239	Wide mouth bottle 500ml	
240	XLD Agar 500gm	
241	X-ray Developer	
242	X-ray Fixer	
243	Yellow Tips for Micro - Pipette	
ANTIBIOTIC DISC		
244	Amikacin 30 mcg 100 disc	
245	Amoxyclav (30mcg) 100 disc	
246	Ampicillin (10 mcg) 100 disc	
247	Azithromycin (15 mcg) 100 disc	
248	Aztreonam(30mcg) 100 disc	
249	Bacitracin (0.04 mcg) 100 disc	
250	Cefepime(30 mcg) 100 disc	
251	Cefixime (5mcg) 100 disc	
252	Cefoperazone (75 mcg) 100 disc	
253	Cefotaxime 30 mcg 100 disc	
254	Cefoxitin(30 mcg) 100 disc	
255	Ceftazidime(10 mcg) 100 disc	
256	Cefuroxime (30 mcg) 100 disc	
257	Chloramphenicol (30 mcg) 100 disc	
258	Ciprofloxacin (5mcg) 100 disc	
259	Clindamycin (2 mcg) 100 disc	
260	Co-trimoxazole (25 mcg) 100 disc	
261	Doxycycline hydrochloride (30 mcg) 100 disc	
262	Ertapenem(10 mcg) 100 disc	
263	Erythromycin (15mcg) 100 disc	
264	Gentamicin 10 mcg 100 disc	
265	Imipenem(10 mcg) 100 disc	
266	Levofloxacin (5 mcg) 100 disc	
267	Linezolid (30mcg) 100 disc	
268	Meropenem(10mcg) 100 disc	
269	Minocycline(30 mcg) 100 disc	
270	Nalidixic acid (30 mcg) 100 disc	
271	Nitrofurantoin (300 mcg) 100 disc	
272	Norfloxacin (10mcg) 100 disc	
273	Novobiocin(30 mcg) 100 disc	
274	Optochin(5 mcg) 100 disc	
275	Oxacillin (1 mcg) 100 disc	
276	Penicillin(1 units) 100 disc	
277	Piperacillin (100 mcg) 100 disc	
278	Polymixin B(50 mcg)(300mcg) 100 disc	
279	Streptomycin (10 mcg) 100 disc	
280	Teicoplanin(30 mcg) 100 disc	
281	Tetracycline(30 mcg) 100 disc	
282	Tobramycin 10 mcg 100 disc	
283	Vancomycin (30 mcg) 100 disc	

Annexure- IIILIST OF ITEMS QUOTED

Sl. No.	Tender Quoted Sl. No.	Name of the Item (As per Annexure-II)	Method Name	Manufacture Name (As per Tender Clause No.4.3)	Specification submitted by the Bidders (mention details)

Signature of the Bidder with seal

Annexure- IVPRICE BID

Sl. No.	Name of the Item	Method Name	Manufacture Name (As per Tender Clause No.4.3)	Unit Price with all accessories (as per Tender Clause No.-2.15) (both in words and figures)

Signature of the Bidder with seal

DECLARATION

(Filled by the Notary)

I / We _____ do hereby declare that I / We have **not been de-recognized / black listed** by the Tender inviting authority or by any state Govt. or Central Govt. organization for supply of **Not of Standard Quality Items / non-supply**.

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

Seal & Signature of the Notary

MANUFACTURER'S AUTHORISATION FORM

(to be submitted by authorized distributor/importers in a letterhead in case the bidder is the authorized distributor/importer of OEM)

No.

Dated:

To

**The Chief District Medical & Public Health Officer,
Kandhamal, Phulbani, Odisha**

Dear Sir / Madam,

Bid Reference No. :
Item Name :

We (name of the OEM) are the original manufacturers of the above equipment / item having registered office at (full address with telephone number/fax number & email ID and website), having factories at _____ and _____, do hereby authorize M/s. _____ (Name and address of bidder) as _____ (Importer / Distributor) to submit bids, and subsequently negotiate and sign the contract with you against the above bid no..

No company or firm or individual other than M/s. _____ are authorized to bid, negotiate and conclude the contract in regard to this business against this specific bid reference no.

We also hereby undertake to provide full guarantee/warrantee /CMC/AMC as agreed by the bidder in the event the bidder is changed as the dealers or the bidder fails to provide satisfactory after sales and service during such period of Comprehensive warranty/CMC/AMC and to supply all the spares/reagents / consumables for 6 years.

We also hereby declare that we have the capacity to manufacture and supply, install and commission the quantity of the equipments bided within the stipulated time.

(Name)

for and on behalf of M/s. _____

(Name of manufacturers)

Date:

Place:

Seal

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

Annexure- VIIDECLARATION

(Filled by the Bidder)

I / We _____ do hereby declare that I / We have quoted the rates for individual item inclusive of packing, forwarding & door delivery and exclusive of GST.

Signature of the Bidder with seal

Annexure- VIIIDECLARATION

(Filled by the Bidder)

I / We _____ do hereby declare that the rate quoted and accepted will be binding on the tenderer for a period of **one year** from the date of approval of the rate contract and on no account, any increase in the price will be entertained till the completion of this tender period, otherwise the Tender Inviting Authority can **forfeit the Earnest Money Deposit and blacklist me / us for a period of next 3 years.**

Signature of the Bidder with seal

DECLARATION

(Filled by the Bidder)

I / We _____ do hereby declare that I / We supply the stocks **within 15 days** after receipt of the Purchase Order from the Tender Inviting Authority. In case of non-supply within the stipulated time period, the tender inviting authority may please be allowed extension for a **maximum period of 5 days** after the stipulated date of supply with a **penalty of 0.1% per day**, which will be deducted from the purchase order value as "**Liquidated Damage**".

I / We agreed that the Tender Inviting Authority can **forfeit the Earnest Money Deposit and blacklist me / us for a period of next 3 years for non-supply / part supply** of the stocks within the time period.

Signature of the Bidder with seal

ANNUAL AVERAGE TURN OVER STATEMENT
(To be furnished in the letter head of the Chartered Accountant)

The Annual Turnover of M/s _____ for the last 3 financial years are given below and certified that the statement is true and correct.

Sl. No.	Financial Year	Turnover in Crore (Rs.)
1	2015-16	
2	2016-17	
3	2017-18	
Average Annual Turnover in Crore (Rs.)		

Date:

Signature of Chartered Accountant

Place:

(Name in Capital)

Seal Membership No.-

Note:

- 1) To be issued in the letter head of the Chartered Accountant with membership No.
- 2) Also attach photocopies of the audited P/L account of each year highlighting the turnover in support of that.

19

TECHNICAL SPECIFICATION OF THE ITEMS

REAGENT SOLUTIONS & CHEMICALS

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 (Na₂HPO₄·2H₂O)
- 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 distille water
 0.1 micron filtered
 pH value :5-7.5
 Packed in transparent

8. Blood Grouping (ABO-RH typing)

ANTI-A	Monoclonal IgM reagent for forward grouping	<p>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</p>
ANTI-B	Monoclonal IgM reagent for forward grouping	<p>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</p>
ANTI-D	Polyclonal IgG reagent for Rh (D) typing	<p>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</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. 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.

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 10nos

12. OccultBlood: 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-speeded 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. Giemsa Stain Solution: Pack size of 250ml/500ml/1000ml, Buffer solution of pH value lies :6.9-7.2, Self life minimum 24months.
2. 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. Titre :
 - 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)

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
- All the kits should approved by CE(IVD) /USFDA/GMP
- All the Kit should be DCGI approved.
- If selected, demonstration of all Kits should be provided by the company with demo kits

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 OC to 8 OC and supplier/ local agent should have the facility to store kits at 2 OC to 8 OC
 - 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

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

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 %

5. **CRP:C-REACTIVE PROTEIN (CRP) - SLIDE**

25

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.
- 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
 - Homologuesantigen 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
- 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 \geq 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 Immunochromatographic 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)
- 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: 10 test 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

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

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

Technical Specification for Biochemical Reagents

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.
- 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.
- 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.
- If selected, demonstration of all reagents should be provided by the company with demo kits.

Sl.No	Name of the Reagent	Pack Size(in ml)	Method	Sensitivity	Linearity
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
15	S.Cholesterol	25/50/100 R1,R2-Standvial	Endpoint	0.3 mg/dL	800-900mg/dL
16	S.Triglyceride	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

Technical Specification for Other Consumables

SI no	items	Specifications	Preferable brand
1	Agarose:	low EEO, DNase, RNase free, room temp. storage, pack of 100g preferable to avoid contamination and loss	Merck speciality
2	Beaker 1000 mL:	autoclavable, transparent, graduated, PolyPropylene	Borosil
3	Beaker 500 mL:	autoclavable, transparent, graduated, PolyPropylene	Tarson
4	Boric Acid (crystal salt):	DNase, RNase protease free. Assay above 99.0%, pH 3.0 - 4.0, heavy metal and other impurities less than/equal to 0.001%	Merck speciality
5	Carbon Tetra Chloride (CCl ₄):	GR or AR grade, assay over 99.0%	Merck speciality/SRL
6	Conical flask, 250 mL:	Glass, graduated, narrow mouth with 34 mm neck D, Hard glass withstanding high temp	Borosil
7	De-ionised water:	5 lts sealed jerkin	Merck speciality
8	Ethylene-diamino-tetra acetic acid, disodium salt (EDTA) or Ethylene-dinitrilo-tetra acetic acid, disodium salt (EDTA):	Assay above 99.0%, pH 4.0 - 5.0, heavy metal and other impurities less than/equal to 0.01%. pack of 100g preferable to avoid contamination and loss	Merck speciality/SRL
9	Filter paper grade-1:	580 x 680 Sheets. Recommended for haemoglobin electrophoresis.	Whatman GE healthcare
10	Glass Cover slip:	18x18 mm, thickness No 1, for microscopy	Blue Star
11	Glass plates:	~3.5"x~4" size with 1 - 2 mm thickness, for gel casting for electrophoresis test (local purchase)	Local make
12	Glass slide:	75x25 mm, thickness 1.45 mm for microscopy	Blue Star
13	Hand protector grip for hot glass-wares:	high quality silicon rubber made, thumb/finger pockets, studs/bids in inner side for good grip	Tarson
14	Hand wash 100 mL:	for medical use	Dettol
15	Measuring cylinder 100 mL:	translucent, autoclavable, stable hexagonal base, well graduation are ring moulded for better reading, hydrophobic, PolyPropylene	Borosil
16	Measuring cylinder 500 mL:	translucent, autoclavable, stable hexagonal base, well graduation are ring moulded for better reading, hydrophobic, PolyPropylene	Borosil

17	Microcentrifuge tube 1.5ml:	PolyPropylene, autoclavable, hydrophobic, graduated, can withstand centrifugation up to 20000xG, ultra smooth polished interior surfaces.	Tarson
18	Microcentrifuge tube rack 20 places:	autoclavable, PolyPropylene, slant	Tarson
19	Paraffin wax 500 gm:	65 degree C melting, cubes, suitable for slide sealing during sickling test.	Nice Chemicals
20	Pasteur pipettes:	disposable, sterile, 3 mL (hydrophobic, autoclavable, low density poly-ethylene)	Tarson
21	Plastic boxes (large):	for discarding used gel in water/keeping Filter paper cuttings in dry condition/keeping 1.5 mL microcentrifuge tubes/sterile droppers	Local make
22	Plastic Trays (large for lab use):	strong quality smooth	Local make
23	Reagent Bottle:	graduated, with screw cap and pouring ring, 500 mL, 1000 mL	Borosil
24	Storage box:	compatible to low temp storage, lockable box with 100 places for 1.5/2.0 mL tube storage, PolyPropylene, autoclavable	Tarson
25	Storage vial:	5ml, screw cap, high quality, spillage proof, hydrophobic, autoclavable, PolyPropylene, well graduated, interior smooth surface.	Tarson
26	Test tube rack 62 places:	polycarbonate material, high quality, compatible to 12x75, 13x100 mm tubes & 15 mL tubes	Tarson
27	Tissue paper roll:	high quality	Local make
28	Tris (hydroxymethylaminomethane) buffer GR:	Assay above 99.0%, melting point about 170°C, heavy metal and other impurities less than/equal to 0.01%. pack of 100g preferable to avoid contamination and loss	Merck speciality
29	Vacutainer:	EDTA spray dried 3/4 mL, 13x75 mm, sterile, with stopper lubrication, lavender cap	BD peripherals, NJ USA
30	Wash bottle with long nozzle for dispensing:	500 mL, with nozzle cap, hydrophobic, autoclavable, low density polyethylene	Tarson
31	Wide mouth bottle:	1000 mL, medical grade, autoclavable, PolyPropylene, transparent	Tarson
32	Wide mouth bottle:	500 mL, medical grade, autoclavable, PolyPropylene, transparent	Tarson
33	Blood sample carrying cool pack	Thermo coolant insulation, good polymer made, with handle locking and carrying stripe/handle, sufficient for storing at least 200 blood sample tubes (in rack)	Cello