



**B.R.SINGH HOSPITAL
EASTERN RAILWAY/SEALDAH**

No MED/PATH-INVES-TIE UP/2/BRSH/EOI/2022

Sealdah, 24.05.2022

EOI (EXPRESSION OF INTEREST) FOR SPECIAL PATHOLOGICAL INVESTIGATION TIE-UP

Sub: EOI (Expression of Interest) for two years towards entering into tie-up with the private Diagnostic centre of Kolkata at CGHS rate with discount for Special Pathological Investigation which are not done in B.R.Singh Hospital, Eastern Railway/Sealdah, for Railway Beneficiaries of B.R.Singh Hospital, Eastern Railway, Sealdah through MoU (Memorandum of Understanding) on Bill Payment system.

Chief Specialist of B.R.Singh Hospital/Eastern Railway/Sealdah invites "Expression of Interest (EOI)" on behalf of Medical Director /B.R.Singh Hospital/E.Rly/Sealdah for two (2) years from the willing Private Diagnostic centre/LAB attached to Hospital of Kolkata for entering into Special Pathological investigation tie-up at CGHS rate with discount which are not done at B.R.Singh Hospital/Eastern Railway/Sealdah, for Railway beneficiaries of B.R.Singh Hospital/E.Rly/ Sealdah through MoU (Memorandum of Understanding) on actual Bill Payment system. In case CGHS rate for a particular Pathological Investigation is not available then State Govt. Hosp rate shall be applicable. If there is no State Govt. Hospital rate is available then reasonable rate with discount shall be applicable.

The Diagnostic centre/Lab attached to Hospital, willing to participate in this Tie-Up should be ISO 15189/NABL accredited. The copy of accreditation certificate should be enclosed mentioning the period of its validity.

For EOI, the Document is to be collected from the office of the Medical Director/Eastern Railway/Sealdah or the same may also be downloaded from website "www.er.indianrailways.gov.in"

The responses on the prescribed format may be submitted to the office of the Medical Director/B.R.Singh Hospital/Eastern Railway/Sealdah **on and before 16.06.2022**.

(Dr. A.K. Sanyal)
Chief Specialist

B.R.Singh hospital/E.Rly/Sealdah
For Medical Director
B.R.Singh Hospital/E.Rly/Sealdah

EASTERN RAILWAY
B.R.SINGH HOSPITAL/SEALDAH

No.: MED/PATH-INVES-TIE-UP/2/BRSH/2022

Date: 24.05.22

MINIMUM QUALIFYING CRITERIA FOR EMPANELMENT OF DIAGNOSTIC CENTRE/LAB ATTACHED WITH HOSPITALS AT KOLKATA:

The Diagnostic centre/Lab attached to Hospital, willing to participate in the Special Pathological Investigation Tie-up should be ISO 15189/NABL accredited. The copy of accreditation certificate should be enclosed mentioning the period of its validity.

CRITERIA FOR LABORATORY DIAGNOSTIC CENTRE/LAB ATTACHED WITH HOSPITAL:-

1. (a) Laboratories (Clinical Pathology):- Space minimum 10x12ft
 - (b) Equipment:- Microscope, fully automatic hematology cell counter, Incubator, centrifuge machine, fridge (300 liter), Automated Electrophoresis apparatus, Automated Coagulation apparatus. Cytology and histopathology related set up. Needle Destroyer, Trolley for waste disposal with bags.
 - (c) Manpower with Qualification:
 - * Technician – Diploma in MLT and adequate experience of handling pathology specimens including Cytology and Histopathology.
 - * Facilities for waste management: Provision of management as per biomedical waste management Act.-1998
 - (d) Quality Control:-
 - * Arrangement for Internal & external quality control. The set up should be able to handle the workload with adequate staff and equipments, Reports should be available at the earliest depending on the test.
 - * Backup of Generators, e-UPS, Emergency Light
 - (e) General requirements for Pathological Diagnostic Centres/Hospitals:
 - * Minimum workload of 40-50 samples per day (not tests).
 - * Slides for Histopathology /Cytology should be preserved for a reasonable period.
 - * Records of patients /investigation should be well maintained and updated.
 - * Fire fighting system should be in place wherever it is necessary.
 - (f) Laboratory (Bio-Chemistry):-
 - * Spaces for working lab minimum 10x12ft.
 - * Laboratory (preferably Air-Conditioned)/Washing area /Waste disposal.
 - (g) Equipment:-
Refrigerator, Water –bath. Hot-air-oven, Centrifuge machine, Photo-electric calorimeter
 - (h) Manpower with qualification:
Technician with DMLT.
Provision for waste management as per the bio-medical waste Act. 1998
 - (i) Quality-Control: Should be internal as well as external.
Backup of Generator, UPS, Emergency light.
24-hrs. Supply of water, provision for toilet.
- Additional requirement for Diagnostic Centres/ Hospitals:- In addition to the critical written above following additional equipment will be required
- * Blood Gas Analyzer
 - * Elisa Reader
 - * HPLC and Electrophoresis Apparatus.
2. (a) Laboratory (Microbiology)
Minimum space required is 10x12ft. receiving
Sample & labeling, Sorting, Registration
Minimum waiting space for 10 patients & dispatch area
 - * Media room (Autoclave, Hot Air Oven & Pouring hood)
 - * Area required minimum 6x4 ft.

- * Processing of sample –staining, cultures etc.
- (b) Equipment:
 - * Non Expendable: Autoclave, Hot Air Oven, Water Bath, incubator, Centrifuge, microscopes vortex ELISA reader.
 - * Expendable: Chemical, Glassware, Media, Stationary etc.
- (c) Manpower with Qualification:-
 - * Technician with DMLT.
 - * Provision for waste management as per the biomedical waste Act. 1998
- (d) Quality Control:-
 - * Internal & External tie up with higher Organization.
 - * Backup of Generator, UPS, Emergency light.

Part-1

(Technical and Infrastructure Specification of the Diagnostic Centres/Hospitals)

1. Name of the Diagnostic Centre _____
2. Contact Details: _____
3. Name of the Contact Person: _____
4. Street Address of the Diagnostic Centre: _____
- City/Town. _____ Locality/Village/Tehsil _____ District: _____
- State: _____ Telephone: _____ Email _____
- Website _____ PIN _____

Signature of the head or authorized nomineee

5. Locality of Diagnostic Centre : _____ Urban ☐ Rural ☐
- Does the Diagnostic Centre have split location(s) Yes ☐ No ☐
- If yes, address of the other location(s) and distance from main location _____

6. Ownership:-

- ☐ Private- Corporate ☐ Armed Forces
☐ PSU ☐ Trust
☐ Government ☐ Charitable
☐ Others (Specify.....)

7. Year and month in which registered and under which authority (as per state and central requirements): _____

8. Year and month in which clinical functions started: _____

PART II: DIAGNOSTIC CENTRE/HOSPITAL INFORMATION

Sl. No	Subject	Information	Remarks
1	Total Area		
2	Built Up Area		
3	Reception and waiting area (approx)		

PART III: FACILITIES APPLIED FOR

1. (a) Applied for- empanelment as:- [] (b) Laboratory Services []

PART IV: CRITERIA FOR LABORATORY SERVICES

1. Type of Laboratory Service:

(i) Pathology [] (ii) Biochemistry []
(iii) Micro-Biology [] (iv) Others (Specify) []

2. Laboratory Statistics:

(a) Workload (Samples- per day):-

(i) Pathology [] (ii) Biochemistry []
(iii) Micro-Biology [] (iv) Others (Specify) []

(b) Emergency Services-Available/Not Available

Collection centres:

YES/NO

(if yes, attach a list of the centres along with address)

Signature of the head or authorized nominee

4. Staffing

(a) Consultants (i) Total number of consultant's []

Attach list of consultants with qualification and experience,

(b) Lab Technicians:- (i) Total Number [] (ii) Specialty trained nurses []

(iii) Special Technical Staff []

(c) Others (Specify)[]

5. Equipment: Provide details as under:-

Sl.No	Name of Equipment	Make/Model	Calibration Status	Whether AMC is in place (yes/no)

6. Quality Controls

(i) Internal [] (ii) External []

SIGNATURE OF THE HEAD OR AUTHORIZED NOMINEE

B.R.SINGH HOSPITAL/EASTERN RAILWAY/SEALDAH

No. MED/Spl-Path-inves/II/BRSH/TIE UP/22

Date 25.05.22

The list of 2nd Spl.Pathology Investigation Tie-up procedures for 02 years at CGHS rate with discount through EOI on actual bill payment system.

Sl.No.	Name of the Investigation	WB Govt Health scheme rate & sl.No	CGHS Sl.No	CGHS RATE	Diagnostic Centre Rate	Offer rate of
1	Serum Phenytoin level					
2	Serum Carbamazepine					
3	Blood/Pleural/Ascitic fluid ADA					
4	CSF ADA					
5	Blood for Anti CCP Antibody					
6	Blood for ANA (IF method)					
7	Blood for Anti-DSDNA (IF method)					
8	Blood for P-ANCA (MPO)					
9	Blood C-ANCA (PR3)					
10	Blood for ENA Profile/ANA Profile Quantitative					
11	Blood for Complement (C ₃ , C ₄)					
12	Blood for Thrombophilia profile - Protein C & S, Antithrombin					
13	Factor V Leiden					
14	Blood for APLA (IgG & IgM)					
15	Blood for SCL 70					
16	Blood for Serum Ceruloplasmin					
17	24 hrs. Urinary Copper					
18	Blood for Anti-TPO Antibody					
19	Blood for HLA B ₂₇					
20	Karyotyping					
21	CD3, CD4, CD8 CELL COUNT + HIV-I Viral load (Quantitative)					
22	BCR-ABL Quantitative					
23	BCR-ABL Qualitative					
24	Blood for GH estimation					
25	Anti Thyroglobulin Antibody					
26	Serum PTH					
27	Serum HSCRP					
28	Troponin I (quantitative) assay					

Sl No.	Name of the Investigation	WB Govt Health scheme rate & sl No	CGHS Sl No	CGHS RATE	Diagnostic Centre Rate	Offer rate of Diagnostic centre
29	Troponin T (quantitative) assay					
30	IgM Anti HAV					
31	IgM Anti HEV					
32	Serum ASMA (anti smooth muscle antibody)					
33	Serum AMA (anti mitochondrial antibody)					
34	Anti Hepatitis B surface Antibody (Anti HbsAb)					
35	Anti Hepatitis B core Antibody (IgM)					
36	Total Anti Hepatitis B core Antibody					
37	HBeAg					
38	HBeAb					
39	Leptospira Antibody (IgM)					
40	Blood for Serum Lithium					
41	Blood for Serum Valproate					
42	TORCH					
43	Her-2-neu					
44	Estrogen Receptor (ER)					
45	Progesterone Receptor (PR)					
46	Nucleic acid testing (NAT) for HiV (Qualitative)					
47	Anti Mullerian hormone					
48	Culture AFB and 10 drug sensitivity					
49	Mycobacteria tuberculosis PCR (TB PCR) mycosure					
50	Culture AFB (Mycobacterial), rapid					
51	Heinz test - P					
52	Fungal Stain, culture and identification BAL, E.T Secretation Respiratory Sample					
53	Fungal culture					
54	Filarial antigen					
55	IGF 1					
56	IGF BP3					

Sl.No.	Name of the Investigation	WB Govt Health scheme rate & sl.No	CGHS Sl.No	CGHS RATE	Diagnostic Centre Rate	Offer rate of Diagnostic centre
57	TSH-R Antibody					
58	Spot urine sodium					
59	Urine Osmolality					
60	Plasma Aldosterone					
61	Plasma Renin					
62	24 hrs Urinary Metanephrine & Normetanephrine					
63	Serum ACTH					
64	Serum Protein Electrophoresis					
65	Serum Immunofixation Electrophoresis					
66	Hb Electrophoresis					
67	Osmotic Fragility Test					
68	PDGFR mutation					
69	RT PCR for JAK 2					
70	Urine Protein Electrophoresis					
71	Serum Erythropoietin level					
72	Serum IgG4					
73	Acetylcholine receptor Ab					
74	HSV serology					
75	SACE					
76	Quadruple Marker					
77	Procalcitonin					
78	N terminal pro BNP					
79	Typhi Dot Test					
80	Serum HBV DNA (Qualitative)					
81	Serum HBV DNA (Quantitative)					
82	Serum HCV RNA (Qualitative)					
83	Serum HCV RNA (Quantitative)					
84	HCV genotyping					
85	Serum IgM anti CMV antibodies, Herpes simplex, Flavivirus and Zoster varicella virus					
86	Mycobacteria tuberculosis PCR from endoscopic biopsy tissue					
87	Mycobacteria tuberculosis culture from endoscopic biopsy tissue					
88	Serum Anti - Tissue Transglutaminase (Anti TTG) antibodies					

No.	Name of the Investigation	WB Govt Health scheme rate & sl No	CGHS Sl.No	CGHS RATE	Diagnostic Centre Rate	Offer rate of Diagnostic centre
39	Tacrolimus drug assay (To) - In patients of renal, transplantation on Tacrolimus					
90	Cyclosporin through ICVCL - For patients on Cyclosporin					
91	PCR test for Parvovirus - to detect viral infection in renal					
92	PCR test for Cytomegalovirus - to detect viral infection in renal allograft recipients.					
93	Serum osmolality					
94	Serum Lactate					
95	Culture aerobic blood rapid (BACTEC), if sensitivity required					
36	Culture anaerobic blood rapid (BACTEC), if sensitivity required					
37	Culture aerobic body fluid (BACTEC), if sensitivity required					
98	Chikungunya virus IgM antibody					
99	Culture aerobic CSF, if sensitivity required					
100	Cysticercosis Taenia solium IgG					
101	IMD panel amino, organic, fatty acids					
102	Immunoglobulin level, Ig A					
103	Immunoglobulin level, Ig G					
104	Immunoglobulin level, Ig M					
105	Metabolic screen, basic urine					
06	Metabolic screen (comprehensive) urine					
07	MPS screen, urine					
108	Parvovirus antibody IgG, IgM					
109	Urine reducing substance					
10	Weil felix test					
11	EBV IgM level					
12	FISH scoring					
13	Bcl-2					
14	Drug Screening in urine for Benzodiazepines					
15	Drug Screening in urine for Cannabinoids					

No.	Name of the Investigation	WB Govt Health scheme rate & SI No	CGHS SI.No	CGHS RATE	Diagnostic Centre Rate	Offer rate of Diagnostic centre
116	Drug Screening in urine for Opiates					
117	Drug Screening in urine for Babbiturates					
118	Serum Magnesium					
119	Serum Pyridoxin					
120	Serum Phenylalanine					
121	C1 Inhibitor					
122	Serum Free Light Chain(FLC) ratio					
123	RTPCR for exon 12					
124	RTPCR For CALReticulin					
125	RTPCR for MPL					
126	PEG- Precipitated Prolactin					
127	Serum Thyroglobulin					
128	C-Peptide level					
129	IA2 Antibody					
130	GAD-65 Antibody					
131	Islet Cell Autoantibodies(ICA)					
132	Fecal Calprotectin					
133	Serum Antisaccharomyces cerevisiae antibody(ASCA)					
134	Aspergillus Precipitin Test (APT)					
135	Bleeding disorder panel-serum D-Dimer/FDP, Fibrinogen,PT, APTT, INR,thrombin time					
136	Serum GGT					
137	Serum Na ⁺ ,					
138	Serum K ⁺ ,					
139	Serum Cl-					
140	Serum Aldolase					
141	Plasma viral load for HIV estimation					
142	HIV RNA					
143	Serum AMH					
144	CBNAAT for TB					
145	Immunohistochemistry (IHC) panel for Soft Tissue Tumors					
146	Immunohistochemistry (IHC) panel for poorly differentiated carcinoma					

No.	Name of the Investigation	WB Govt Health scheme rate & Sl.No	CGHS Sl.No	CGHS RATE	Diagnostic Centre Rate	Offer rate of Diagnostic centre
147	Immunohistochemistry panel for carcinoma of unknown origin					
148	Immunophenotyping NHL panel					
149	Immunophenotyping Hodgkin's panel					
150	Immunophenotyping Acute leukemia - ALL, AML					
151	Immunophenotyping Chronic leukemia CLL,CML					
152	PNH flow cytometry					
153	Cytogenetics - Acute leukemia					
154	Cytogenetics - chronic leukemia					
155	Translocation panel - ALL					
156	Translocation panel -AML					
157	Translocation panel - Multiple myeloma					
158	Translocation panel - MDS					
159	Translocation panel - CLL					
160	Renal Biopsy Tissue Histopathology, Immunofluorescence and Electron Microscopy (all three)					
161	Ki-67					
162	CD-117					
163	HMB-45					
164	Immunohistochemistry (IHC) for Leukemia/ Lymphoma/Solid Tumour					
165	Immunohistochemistry (IHC) for Myeloma					
166	Sr.Ammonia					
167	GeneXpert					
168	Beta 2 Microglobulin					
169	Anti GBM Antibody					
170	ADAM 13 Gene Assay					
171	Factor VIII level					
172	Urinary immune Fixation (Qualitative)					
173	Urinary immune Fixation (Quantitative)					
174	IGM Brucella					
175	TB Gold					

Sl.No.	Name of the Investigation	WB Govt Health scheme rate & sl.No	CGHS Sl.No	CGHS RATE	Diagnostic Centre Rate	Offer rate of Diagnostic centre
176	Ecchinococcus Antibody					
177	Sr.Cryoglobulin					
178	Sr. Cold Agglutinin					
179	Sr.Chromagranin-A					
180	Homocysteine					
181	Sr.Haptoglobin					
182	Anti Parietal cell Antibody					
183	Aspergillus Ab (IgM/IgG)					
184	Legionella Pneumophilia ELISA					
185	LAP Score					
186	Oligoclonal band					
187	G6PD					
188	Fructosamine					
189	Paraffin Section+Routine H/E					
190	Special Stain					
191	Immunohistochemistry of spindle cell neoplasm					
192	Immunohistochemistry for neoplasm of unknown origin					
193	Frozen Section Biopsy					
194	Apolipoprotein A1 (ApoA1)					
195	Dengue IgG+IgM					
196	Dengue NS1					
197	5 HIAA					
198	Galectomannan Assay					
199	Scrub Typhus IgM					
200	Anti Intrinsic factor Antibody					
201	PAPP-A					
202	Blood Immature Platelet fraction					
203	HPV DNA detection and typing LBC					
204	Anti Voltage Gated Potassium Channel (VGKC) Antibody					
205	Dengue RT PCR					
206	Insulin Associated Antibody					

Sl.No.	Name of the Investigation	WB Govt Health scheme rate & sl.No	CGHS Sl.No	CGHS RATE	Diagnostic Centre Rate	Offer rate of Diagnostic centre
207	CD 138					
208	HLA B 5701					
209	Bone Marrow Trepine Biopsy(Including procedure, processing and reporting)					
210	ANTI TG IgA					
211	Serum AFP L3					
212	CRYPTOCOCCAL AG FROM CSF					
213	SEROLOGICAL ALLERGY TEST					
214	CRYPTOCOCCAL BAND ANTIGEN CSF					
215	CSF HSV DNA PCR					
216	B.GALACTOMANNAN ASSAY					
217	GLOBIN CHAIN SEQUENCING					
218	IHC for TTF-I					
219	IHC for P-63					
220	ID & AST FROM AEROBIC CULTURE					
221	ID & AST FROM ANAEROBIC CULTURE					
222	SERUM FIBRINOGEN					
223	ANTI LKM ANTIBODY					
224	ASPERGILLUS SPECIFIC IGE					
225	NOTCH - 3 GENE (CADASIL) sequencing test					
226	CSF FOR NMOA(Anti Neuromyelitis Optica Antibody)					
227	Anti NMDA(N methyl D aspartate) Receptor Antibody					
228	BLOOD FOR ANTIMYOSITIS GENE					
229	SERUM COPPER					
230	ALPHA-HYDROXY PROGESTERONE					
231	IHC FOR - NAPSIN-A					
232	IHC FOR - DESMOGLEIN					
233	VITAMIN - C LEVEL					
234	E-TUBE SUCTION FOR C/S by BACTEC(Automated)					
235	TRUCUT BIOPSY + Report					
236	PDLI testing for all Malignancies					
237	EGFR, ALK, ROS 1 Gene Assay-- (LUNG PANEL)					
238	KRAS Gene Assay-- (COLON PANEL)					

Sl.No.	Name of the Investigation	WB Govt Health scheme rate & sl.No	CGHS Sl.No	CGHS RATE	Diagnostic Centre Rate	Offer rate of Diagnostic centre
239	NRAS Gene Assay-- (COLON PANEL)					
240	MMR Gene Assay-- (COLON PANEL)					
241	MLH Gene Assay-- (COLON PANEL)					
242	BRCA Testing					
243	MGMT & IDH 1 testing on BRAIN Tissue					
244	Blood test for DPD deficiency					
245	Homologous Recombination Repair (HRR) detection					
246	BRAFV600E mutation assay for MELANOMA					
247	NGS (Next Generation Sequencing)- Panel for					
248	NTRK Fusions Assay					
249	TMB (Tumour Mutational Burden) testing					
250	Bile Acids					
251	Serum Inhibin B					
252	Serum Unconjugated Estradiol					
253	Serum SHBG(Sex Hormone Binding Globulin)					
254	Serum IL6					
255	Serum Estradiol					
256	Serum Total Progesteron					
257	Lupus anticoagulant					
258	Plasma Metanephrine & Nor Metanephrine					
259	C1Q					
260	CD 28/27					
261	CD 19 FOR MONITORING RITUX THERAPY					
262	ANTI COVID 19 ANTIBODY					
263	SERUM NEURON SPECIFIC ENOLASE					
264	Biofire Filmarray Respiratory Comprehensive Panel (PCR based 8					
265	TSH					
266	FT3					
267	FT4					
268	FSH					
269	LH					
270	PRL					

Sl.No.	Name of the Investigation	WB Govt Health scheme rate & sl.No	CGHS Sl.No	CGHS RATE	Diagnostic Centre Rate	Offer rate of Diagnostic centre
271	Testosterone					
272	Cortisol					
273	DHEA-S					
274	Insulin					
275	HCG-Beta					
276	AFP					
277	CEA					
278	PSA					
279	F-PSA					
280	CA-19.9					
281	CA-125					
282	CA-15.3					
283	Ferritin					
284	IGE					
285	Anti-CCP					
286	Anti HAV IgM					
287	Anti TPO					
288	Vit. B12					
289	Folate					
290	Pitocalcitonin					
291	Pro RNP					
292	Vit-D(Total)					
293	Troponin					
294	iPTH					
295	Urea					
296	Creatinine					
297	Glucose					
298	Cholesterol					
299	Triglyceride					
300	HDL-C					
301	LDL-C					
302	Bilirubin-T					
303	Bilirubin-D					

Sl.No.	Name of the Investigation	WB Govt Health scheme rate & sl.No	CGHS Sl.No	CGHS RATE	Diagnostic Centre Rate	Offer rate of Diagnostic centre
304	Uric Acid					
305	SGOT					
306	SGPT					
307	ALKP					
308	CPK					
309	CKMB					
310	LDH					
311	Calcium					
312	Phosphorus					
313	Amylase					
314	T.Protein					
315	Albumin					
316	HbA1c					
317	M/albumin					
318	UIBC					
319	Sr.Fe(Iron)					
320	Lipase					
321	CRP HS					
322	TP, UR, CSF					
323	Sodium					
324	Potassium					
325	Chloride					
326	Percentage of discount for the Tests having CGHS rate but not mentioned in the list, it is to be done at the Diagnostic center at CGHS rate with discount on requirement.					
327	Percentage of discount for the Tests which are not mentioned in the list and CGHS rate not available, on requirement the Diagnostic center's rate for the procedure.					

For Medical Director
B.R.Singh Hospital/E.Rly/Sealdah