

Annexure 2

Summary Table of Response Performa of ICMR's Permanent Institutes /Centers

I) Communicable Diseases Group

1.National Jalma Institute for Leprosy and other Mycobacterial Diseases (NJILMD) (Agra)

N/I Acc – National / International Accreditations, **N/I Cert**- National / International Certification, **Coll/affi**- Collaboration / **Affiliation**, **Publ**- Publications, **TM**- Target Market

N/I Acc	N/I Cert	Core competencies wise Manpower (Nos.)			R&D Facilities		Patents	Coll/affi	Publ	R&D Services	TM	Constraints	Suggestions									
1	2	3			4		5	6	7	8	9	10	11									
1 (DBT)	NIL	Area	Manpower		Area	Facilities Testing, Training facilities, Operational research facilities for doctors, Studies and Clinical trials.	4	6 ^s National –5 International-1	728	<ul style="list-style-type: none"> • Testing • Training • Consultancy Services • Studies • Clinical Trials • Supply of data • Contact Research • Special Services • Technology Transfer 	NA	NIL	NIL									
			R&D	Sup Staff																		
				Micro & Molecular Biology	6									4	Micro & Molecular Biology							
				Biochemistry	4									3	Biochemistry							
				Immunology	4									6	Immunology							
				Molecular pathology	1									4	Molecular pathology							
				Electron Microscopy	1									0	Electron Microscopy							
				Clinical Division	10									22	Clinical Division							
				Experimental leprosy	1									5	Experimental leprosy							
				Biostatistics & Epidemiology	1									1	Biostatistics & Epidemiology							
		Medical Sociology	0	1	Medical Sociology																	
1			28	46			4	6	728													

§ CDFD- Hyderabad, IISc- Bangalore, AIIMS Delhi, NII Delhi, TBDC Delhi, Institute of Pasteur-France

2.Tuberculosis Research Centre (TRC) (Chennai)

N/I Acc – National / International Accreditations, **N/I Cert**- National / International Certification, **Coll/affi**- Collaboration / **Affiliation**, **Publ**- Publications, **TM**- Target Market

N/I Acc	N/I Cert	Core competencies wise Manpower (Nos.)			R&D Facilities		Patents	Coll/affi	Publ	R&D Services	TM	Constraints	Suggestions
1	2	3			4		5	6	7	8	9	10	11
NIL	NIL	Area	Manpower		Area	Facilities	NA	4 ^{\$} International	232	<ul style="list-style-type: none"> • Testing • Training • Consultancy Services • Studies • Surveys • Clinical Trials 	Third world countries	Marketing policies of Labs	Establishing collaboration with industries
			R&D	Sup Staff									
		Immunology	5	7	Immunology	Training, Nucleic, DNA							
		Bacteriology	6	38	Bacteriology	Smear microscopy							
		Epidemiological Research	8	400	Epidemiological Research	Training & operational Research							
Clinical Trials	17	58	Clinical Trials	Training & operational Research									
			36	503			4	232					
\$ World Health Organization collaboration- Clinical, Epidemiological Tuberculosis Research, Indo –US collaboration – HIV vaccine trial, Laboratory research., Indo – French collaboration – Immunology diagnosis & Molecular Epidemiology, Indo – German collaboration – Immunodiagnosics.													

3.National Institute of Malaria Research (NIMR) (Delhi)

N/I Acc – National / International Accreditations, **N/I Cert**- National / International Certification, **Coll/affi**- Collaboration / **Affiliation**, **Publ**- Publications, **TM**- Target Market

N/I Acc	N/I Cert	Core competencies wise Manpower (Nos.)			R&D Facilities		Patents	Coll/affi	Publ	R&D Services	TM	Constraints	Suggestions
1	2	3			4		5	6	7	8	9	10	11
NIL	1 (WHO)	Area	Manpower		Area	Facilities	3	15 ^s National –10 International- 5	721	<ul style="list-style-type: none"> • Testing • Training • Consultancy Services • Contract Research • Surveys • Studies • Contract Research • Clinical Trials 	South Asia, South east Asia and Middle east	<ul style="list-style-type: none"> •Bureaucratic bottleneck. •Lack of resources. 	<p>There should be single window clearance mechanism of all the proposals where exporting of R&D is involved.</p> <p>The maximum period for clearance of any proposal involving export of R&D should be 3 months</p>
			R&D	Sup Staff									
		Vector Biology & Control	18	25	Insectary	Operational Research, Testing							
			Parasitology	11		14							
		Epidemiology			6								
Field Station	Testing, Clinical Trials												
			Bioassay and insecticide resistance Lab	Testing, Studies									
	1		35	49			3	15	721				
§ International Centre for Genetic Engineering and Biotechnology, New Delhi, CDC, Atlanta, AIIMS, New Delhi, Central Drug Research Institute, Lucknow, DU, Delhi, MDU, Rohtak, CCS University Meerut, IPU, Delhi, DBT, New Delhi, DST, New Delhi, DRDO, WHO, TDR,WHO Pesticides Evaluation Scheme, Medicine for Malaria Ventures (MMV), Geneva, Swedish International Development Authority													

4. Centre for Research in Medical Entomology (CRME) (Madurai)

N/I Acc – National / International Accreditations, **N/I Cert**- National / International Certification, **Coll/affi**- Collaboration / **Affiliation**, **Publ**- Publications, **TM**- Target Market

N/I Acc	N/I Cert	Core competencies wise Manpower (Nos.)			R&D Facilities		Patents	Coll/affi	Publ	R&D Services	TM	Constraints	Suggestions
1	2	3			4		5	6	7	8	9	10	11
1 (WHO)	NIL	Area	Manpower		Area	Facilities	1	7 ^{\$} National-4 International-3	178	<ul style="list-style-type: none"> • Testing • Training • Consultancy Services • Studies • Surveys • Supply of data • Clinical Trials • Contact Research • Specialized Services 	USA, Malaysia, Australia, Thailand, France, Singapore	<ul style="list-style-type: none"> • Inadequate marketing capabilities • Marketing policies of Labs • Lack of marketing Capabilities. 	Manpower enhancement, Training for the scientists and technical staff, up gradation of laboratory.
	Diagostics of arboviral diseases like JE & Dengue	1	5	Diagostics of arboviral diseases like JE & Dengue	UV Microscope, ELISA reader, Thermal Cyclar, Gel Electrophorasis Unit.								
	Mosquito Systematics	1	5										
	Surveillance of JE & Dengue	1	8										
	Filariasis – Diagnosis and control	1	5										
	Molecular Biology	1	5										
1			5			28			1	7	178		

\$ TDR/world Health Organization, Geneva., Centre for disease control and prevention , Atlanta –USA, National vector borne disease control programme ,Delhi, International Water Management Institute , Sri Lanka, Defense Research & Development Establishment , Gwalior, Department of Public Heath & Preventive medicine, Chennai, National Institute of Virology, Pane.

5.Rajendra Memorial Research Institute of Medical Sciences (RMRIMS) (Patna)

N/I Acc – National / International Accreditations, **N/I Cert**- National / International Certification, **Coll/affi**- Collaboration / **Affiliation**, **Publ**- Publications, **TM**- Target Market

N/I Acc	N/I Cert	Core competencies wise Manpower (Nos.)			R&D Facilities		Patents	Coll/affi	Publ	R&D Services	TM	Constraints	Suggestions
1	2	3			4		5	6	7	8	9	10	11
2 (WHO, Christian medical college , Vellore)	2 (WHO, Christian medical college , Vellore)	Area	Manpower		Area	Facilities	NIL	9 ^s National-2 International-7	152	<ul style="list-style-type: none"> • Testing • Training • Consultancy Services • Studies • Surveys • Clinical Trails • Supply of data • Special Services 	USA, Australia, Thailand, UK, Italy, Switzerland, Bangladesh	NIL	International exposure to scientists, Increase infrastructure facilities and training Facilities.
			R&D	Sup Staff									
		Molecular Biology	2	1	Molecular Biology	Trained personnel for PCR, RT-PCR,							
		Immunology	1	2	Immunology	Flow-Cytometry, immunological assays, mammalian cell culture, pathogen culture, electrophoresis.							
		Biochemistry	1	4	Clinical Biochemistry	Fully random access clinical biochemistry analyzer, lon-selective analyzer, Flame-photometer							
		Clinical Medicine	4	9	Clinical Medicine	Technical persons for ECG, X-ray, indoors ward for treatment.							
		Vector control	3	5	Vector control	Insectorium, Spray pump, CDC light trap, Facilities for Bio-assay							
		Microbiology	2	3	Microbiology	Laminar Flow, BOD-Incubator, Sterilizing facilities, Tissue culture, Liquid Nitrogen.							
		HIV Serology	1	1	Epidemiology	Clinical pathology, hematology, immunohistochemistry							
		Pathogenesis	1	1	Pathology	Trained person for disease surveillance and epidemiological study.							
Animal care and management	1	1	Animal care and management	BALB/c mice, C57 black mice, Rabbits for research									
2	2	16	27				9	152					

§ WHO-2, Glaxo Smith Kline, EU, DBT, ICMR, CDC-Atlanta, Indo-German, MSF-Spain.

6.National AIDS Research Institute (NARI) (Pune)

N/I Acc – National / International Accreditations, **N/I Cert**- National / International Certification, **Coll/affi**- Collaboration / **Affiliation**, **Publ**- Publications, **TM**- Target Market

N/I Acc	N/I Cert	Core competencies wise Manpower (Nos.)			R&D Facilities		Patents	Coll/affi	Publ	R&D Services	TM	Constraints	Suggestions
1	2	3			4		5	6	7	8	9	10	11
		Area	Manpower		Area	Facilities							
			R&D	Sup Staff									
NIL	6 (CAP-USA, VQA-USA, UK, NHLS-SA, JHU-USA)	Clinical science	3	1	Clinical science	HIV referral clinics, Arogya Kendra	NIL	15 [*] National -6 International - 9	81	<ul style="list-style-type: none"> • Testing • Training • Consultancy Services • Surveys • Clinical Trials • Special Services 	NIL	<ul style="list-style-type: none"> • Bureaucratic bottleneck • Inadequate marketing capabilities • Competitiveness of services 	NIL
		Epidemiology	3	5	Epidemiology	HIV discordant couples, clinical trials and acceptability studies of vaginal microbicides.							
		Immunology & Serology	2	7	Immunology & Serology	HIV Testing, Lymphocyte proliferation assay, etc.							
		Virology & Molecular Virology	2	2	Virology & Molecular Virology	Testing of various compounds and herbal products for anti-HIV activity							
		Microbiology & Pathology	1	2	Microbiology & Pathology	Nucleic Acid Testing by PCR, Serological tests, Blood chemistry and serum electrolytes.							
		Behavioral & Social Sciences	2	2	Behavioral & Social Sciences	Development of education material for adolescents and field-testing of the models							
	6		13	19				15	81				
\$ NACO, IRR-Mumbai, MSACS, BJMC-Pane, DBT, ICMR, JHU, FHI, WHO, IAVI, MTCT-French, Yale University-USA, CONRAD-USA, AACTG-USA, University of California-USA.													

**7.National Institute for Cholera and Enteric Diseases (NICED)
(Kolkata)**

N/I Acc – National / International Accreditations, **N/I Cert**- National / International Certification, **Coll/affi**- Collaboration / Affiliation, **Publ**- Publications, **TM**- Target Market

N/I Acc	N/I Cert	Core competencies wise Manpower (Nos.)			R&D Facilities		Patents	Coll/affi	Publ	R&D Services	TM	Constraints	Suggestions
1	2	3			4		5	6	7	8	9	10	11
NIL	3 (WHO-2, National HIV reference center)	Area	Manpower		Diarrhoeal Diseases research	Clinical Trials, Epidemiological studies, Labs for research	2	34	1033	<ul style="list-style-type: none"> • Testing • Training • Consultancy Services • Studies • Surveys • Supply of data • Clinical Trials • Contact Research • Technology Transfer 	Germany, Japan, Nepal, Bhutan, Bangladesh, Sri Lanka, Thailand, Indonesia, China, Zambia, Ghana.	<ul style="list-style-type: none"> •Bureaucratic Bottlenecks. •National Regulation 	NIL
		Diarrhoeal Diseases research	34	156									
		Typhoid fever	5	15									
		HIV/AIDS	4	10									
		Helicobacter pylori infection	2	6									
		Infective Hepatitis	1	4									
	3		46	191			2	34	1033				

8.Regional Medical Research Centre (ICMR) (Dibrugarh)

N/I Acc – National / International Accreditations, **N/I Cert**- National / International Certification, **Coll/affi**- Collaboration / **Affiliation**, **Publ**- Publications, **TM**- Target Market

N/I Acc	N/I Cert	Core competencies wise Manpower (Nos.)		R&D Facilities		Patents	Coll/affi	Publ	R&D Services	TM	Constraints	Suggestions
1	2	3		4		5	6	7	8	9	10	11
NIL	NIL	Area	Manpower	Area	Facilities	NIL	NIL	201	<ul style="list-style-type: none"> • Testing • Training • Consultancy Services • Studies • Surveys • Clinical Trials • Supply of data • Contact Research • Special Services • Technology Transfer 	SAARC countries, South east asian countries	<ul style="list-style-type: none"> •Lack of market information •Inadequate marketing capabilities •Marketing Policies of Labs 	NIL
		Mosquito borne diseases	6	7	Genomic and pestonomic	PCR,DNA Sequencing						
		HIV & drug Abuse	2	2	Haematological studies	Cell counter, Flowcytometer						
		Trematode infection	2	3	Biochemical studies	Auto analyzer, HPLC, Flurometer						
		Haemaglobin pathy	1	3	Microscopes	Fluorescet, Phase contrast						
					Virology	Tissue culture						
		Cardio vascular diseases	2	2	Bacteriology/ Mycology	Bectech system, Drug sensitivity						
					Parasitology	Parasite culture, Identification						
		Cancer nasopharynx, Stomach	1	1	Epedemilogy	Computer, V-SAT						
					Animal house	Exp model – Development & Fac						
			14	18				201				

9.Regional Medical Research Centre (ICMR) (Port Blair)

N/I Acc – National / International Accreditations, **N/I Cert**- National / International Certification, **Coll/affi**- Collaboration / **Affiliation**, **Publ**- Publications, **TM**- Target Market

N/I Acc	N/I Cert	Core competencies wise Manpower (Nos.)			R&D Facilities		Patents	Coll/affi	Publ	R&D Services	TM	Constraints	Suggestions
1	2	3			4		5	6	7	8	9	10	11
1 (WHO)	NIL	Area	Manpower		Molecular biology	Facilities	NIL	1	79	<ul style="list-style-type: none"> • Testing • Training • Consultancy Services • Studies • Surveys • Clinical Trials • Supply of data 	NIL	<ul style="list-style-type: none"> •Lack of market information •Inadequate marketing capabilities 	NIL
			R&D	Sup Staff									
		Epidemiology	2	5									
		Microbiology	1	2									
		Molecular Biology	3	1									
		Entomology	1	1									
1			7	9			1	79					

**10. Regional Medical Research Centre (ICMR)
(Bhubaneswar)**

N/I Acc – National / International Accreditations, **N/I Cert**- National / International Certification, **Coll/affi**- Collaboration / **Affiliation**, **Publ**- Publications, **TM**- Target Market

N/I Acc	N/I Cert	Core competencies wise Manpower (Nos.)			R&D Facilities		Patents	Coll/affi	Publ	R&D Services	TM	Constraints	Suggestions
1	2	3			4		5	6	7	8	9	10	11
1	1	Area	Manpower		Area	Facilities	NIL	17 National- 12 International -5	308	<ul style="list-style-type: none"> • Testing • Training • IPR Services • Technology transfer 	NIL	NIL	NIL
			R&D	Sup Staff									
		Immuno-biology	5	6	Immuno-biology	Fluocytometer, B-gamma counter, Micro array PCR							
		Strategically and operational Research	6	12	Strategically and operational Research	Well defined field units and skilled manpower							
		Epidemiological Studies	6	11	Epidemiological Studies	Scientist & Technical manpower							
1	1		17	29			17	308					

II) Reproductive Health and Nutrition

1. National Institute for Research in Reproductive Health (NIRRH) (Mumbai)

N/I Acc – National / International Accreditations, **N/I Cert**- National / International Certification, **Coll/affi**- Collaboration / **Affiliation**, **Publ**- Publications, **TM**- Target Market

N/I Acc	N/I Cert	Core competencies wise Manpower (Nos.)			R&D Facilities		Patents	Coll/affi	Publ	R&D Services	TM	Constraints	Suggestions
1	2	3			4		5	6	7	8	9	10	11
1 (Uni. of Mumbai)	1 (WHO)	Area	Manpower		Area	Facilities	NIL	25/1	135	Testing, Contract Research, Specialized facilities/ services	NIL	NIL	NIL
			R&D	Sup Staff									
		Expanding Contraceptive choices	13	20	Expanding Contraceptive choices	Proteomics Work Radio Immunoassay, Flow-Cytometry PCR and Real time PCR Electrophoresis and software Micro array Workstation Polscope, Molecular Biology and Immuno Diagnostic							
		Infertility & Reproductive Disorders	14	10	Infertility & Reproductive Disorders								
		Menopause& Osteoporosis	6	7	Menopause& Osteoporosis								
		Reproductive Tract Infections	6	10	Reproductive Tract Infections								
		Maternal & Child Health	5	11	Maternal & Child Health								
		Adolescent Reproductive health	5	3	Adolescent Reproductive health								
		Genetic Disorder	1	5	Genetic Disorder								
		Structural Biology	2	4	Structural Biology								
Stem Cell Biology	2	1	Stem Cell Biology										
1	1	54	71				26	135					

2. National Institute of Nutrition, Hyderabad (NIN)
3. National Centre for Laboratory Animal Science, Hyderabad (NCLAS)
4. Food & Drug Toxicology Research Centre, Hyderabad (FDTRC)

N/I Acc – National / International Accreditations, **N/I Cert**- National / International Certification, **Coll/affi**- Collaboration / **Affiliation**, **Publ**- Publications, **TM**- Target Market

1 N/I Acc	2 N/I Cert	3 Core competencies wise Manpower (Nos.)		4 R&D Facilities		5 Patents	6 Coll/affi	7 Publ	8 R&D Services	9 TM	10 Constraints	11 Suggestions	
3 (WHO, FWA)	2 (Univ. of Carolina, CPCSEA)	3		4		5 NIL	6 51 National -36 International - 15 (UNICEF-2, IBBA, INDO- US, FHI, AIIMS, Uni. of Germany, CD Pharma pvt. LTD. DRF, MI- Canada, ILSI-USA, MI-Delhi, SD.Govt. of T.N., ICCIDD, AP. Govt., GMC- Surat, TRC, MRC, SAI, SAAP, Univ. of Michigan- USA, Washington Univ., IIS- India, Uni. of Pune, Dr. RRF, IICT, II, NDDDB, Hyd, CCRAS, LG. Hospital, NIV, CCMB, NIN, BBPL, HNFI-India, IICT-Hyd, CDB-Ind, IISC, MHFW, IIL, NDDDB,	7 200	8 • Testing • Training • Consultancy service • Studies • Surveys • Clinical Trials • Supply of data • Contact Research • Special Services • Technology Transfer ▪ IPR services	9 Maldives, southeast asian countries, III world countries, USA, UK, Germany, Singapore, Australia, Philippines, SAARC countries, African countries.	10 Marketing Policies of laboratory, Lack of market information, Inadequate marketing capabilities, Bureaucratic bottlenecks, Inadequate government support for marketing	11 International exposure to scientists, Statistical software package, Need information and support, Increase in manpower content, Improved infrastructura l facilities, Regular training and international exposure, Requirements of funds towards services	
		Area	Manpower		Area								Facilities
		Division of Field Studies	11	21	Division of Field Studies								Trained personnel and statistical packages
		Behavioral Sciences	4	6	Clinical Division								Clinical facilities and measurement devices
		Clinical Division	10	0	Microbiology								Testing equipments
		Microbiology	2	6	Micronutrients								Facilities like HPLC, CACO2, DBS
		Micronutrients	2	4	Isotope unit								Testing labs
		Isotope unit	3	3	Endocrinology								Testing equipments
		Sports Nutrition	1	2	Stem Cell Research								Facilities like tissue culture, PCR, gel doc
		Endocrinology	11	1	Molecular Biology								Real time PCR, automated DNA sequence, protein purifications, etc
		Stem Cell Research	3	0	Nutrition and Eye Research								Testing facilities like protein, enzyme assays, diabetic etc
		Nutrition and Eye Research	2	1	Pathology								Clinical, surgical pathology, cytology, haematology
		Molecular Biology	3	10	Extension and Training								Training personals
		Pathology	2	3	FDTRC								Trained staff and well equipped labs
		Fluorosis	0	2	Lipid Chemistry								GLC, HPLC, TLC, PCR machines.
		Lipid Chemistry	8	14	NCLAS								Animal breeding & Genetics, animal nutrition and health monitoring
FDTRC	8	22	PCT	Various testing systems									
Extension and Training	6	4	Sports Nutrition	Testing facilities									
NCLAS	5	9											
PCT	6	24											
3	2	88	132				51	200					

III) Non- Communicable Diseases

1. National Institute of Epidemiology (NIE) (Chennai)

N/I Acc – National / International Accreditations, **N/I Cert**- National / International Certification, **Coll/affi**- Collaboration / **Affiliation**, **Publ**- Publications, **TM**- Target Market

N/I Acc 1	N/I Cert 2	Core competencies wise Manpower (Nos.) 3		R&D Facilities 4		Patents 5	Coll/affi 6	Publ 7	R&D Services 8	TM 9	Constraints 10	Suggestions 11
		Area	Manpower R&D	Sup Staff	Area	Facilities						
Nil	NIL	Field Epidemiology Training Programeme	17	71	Field Epidemiology Training Programeme	Training facilities	4 National -3 International - 1 (WHO, NAIDS, SCTIMST, Univ. of Madras)	123	<ul style="list-style-type: none"> • Training • Contract Research • Studies • Surveys • Clinical trials • Specialized Service 	NIL	There will be more capacity building and thereby more useful programs/studies can be taken up to fulfill the goals and objectives of the institute.	Training, more resources, Capacity building and Manpower development
		Research studies/surveys			Research studies/surveys	Operational Research, Studies, Surveys						
		Clinical trials			Clinical trials	Clinical trials						
		Consultancy in Epdemiology and Biostatistics			Consultancy in Epdemiology and Biostatistics	Consultancy Services						
			17	71								

2. Regional Medical Research Centre (ICMR) (Belgaum)

N/I Acc – National / International Accreditations, **N/I Cert**- National / International Certification, **Coll/affi**- Collaboration / **Affiliation**, **Publ**- Publications, **TM**- Target Market

N/I Acc	N/I Cert	Core competencies wise Manpower (Nos.)			R&D Facilities		Patents	Coll/affi	Publ	R&D Services	TM	Constraints	Suggestions
1	2	3			4		5	6	7	8	9	10	11
NIL	NIL	Area	Manpower		Area	Facilities	NIL	5 \$ National	2	<ul style="list-style-type: none"> • Consultancy Services • Surveys • Supply of data 	NIL	<ul style="list-style-type: none"> •Lack of market information •Inadequate marketing capabilities •Lack of resources 	<ul style="list-style-type: none"> • To increase the manpower in the relevant discipline. • Collaboration with other agencies in areas of mutual interest.
		Epidemiology /Statistics	0	2	Epidemiology /Statistics	Phytochemistry Lab							
		Primate Biology/Screening Bioactivities of plant products	1	0	Primate Biology/Screening Bioactivities of plant products								
			1	2				5	2				
\$ BMK Ayurveda Mahavidyalaya, KLES-2, J.N. Medical College, IIH-Mumbai, KLES College of Pharmacy, Belgaum, J.N. Medical college, Belgaum, KLES Hospital & Medical Research Centre, Institute of Immunohaematology (ICMR), Mumbai													

IV) Basic Medical Sciences

1. Institute of Pathology (IOP) (DELHI)

N/I Acc – National / International Accreditations, **N/I Cert**- National / International Certification, **Coll/affi**- Collaboration / **Affiliation**, **Publ**- Publications, **TM**- Target Market

N/I Acc 1	N/I Cert 2	Core competencies wise Manpower (Nos.) 3			R&D Facilities 4		Patents 5	Coll/affi 6	Publ 7	R&D Services 8	TM 9	Constraints 10	Suggestions 11
		Area	Manpower		Area	Facilities							
			R&D	Sup Staff									
3 NBE BITS, (Pilani) WHO	NIL	Histopathology	7	10	Histopathology	Diagnostic	1	7 National -4 International -3 (INDO-US, INDO-German, DRDO, DST, DBT, ICMR, WHO)	70	<ul style="list-style-type: none"> • Testing • Training • Consultancy Services • Studies • Contact Research • Special Services • Technology Transfer 	Asia and Middle East	NIL	NIL
		Molecular Biology	4	4	Molecular Biology	Diagnostic & Research							
		Electron Microscopy	3	3	Electron Microscopy	Diagnostic & Research							
		Immunology/	7	4	Immunology/	Diagnostic & Research							
		Cell Biology	4	4	Cell Biology	Research							
		Cytopathology	6	2	Cytopathology	Diagnostic							
3			31	27			1	7	70				

2. Institute of Immunohaematology (IIH) (Mumbai)

N/I Acc – National / International Accreditations, **N/I Cert**- National / International Certification, **Coll/affi**- Collaboration / **Affiliation**, **Publ**- Publications, **TM**- Target Market

N/I Acc	N/I Cert	Core competencies wise Manpower (Nos.)		R&D Facilities		Patents	Coll/affi	Publ	R&D Services	TM	Constraints	Suggestions	
1	2	3		4		5	6	7	8	9	10	11	
NIL	NIL	Area	Manpower		Area	Facilities	2	NIL	373	<ul style="list-style-type: none"> • Testing • Training • Consultancy Services • Contract Research • Technology transfer 	NIL	NIL	Closer collaboration in third world countries, Exchange of scientists and technology transfer, holding workshops.
			R&D	Sup Staff									
		Hemoglobino - pathies	5	7	Hemoglobino - pathies	Testing Labs, Molecular Biology lab, Prenatal diagnosis facility for B							
		Hemostasis	4	2	Hemostasis	To investigate various disorders							
		Blood Group Serology	3	5	Blood Group Serology	To investigate blood transfusion, anti bodies, etc							
HLA and Cytogenetics	3	3	HLA and Cytogenetics	HLA typing, Chromosomal breakage study									
		15	17			2		373					

V) Environmental & Occupational Health

1. National Institute of Occupational Health (NIOH) (Ahmedabad)

N/I Acc – National / International Accreditations, **N/I Cert**- National / International Certification, **Coll/affi**- Collaboration / **Affiliation** , **Publ**- Publications , **TM**- Target Market

N/I Acc	N/I Cert	Core competencies wise Manpower (Nos.)			R&D Facilities		Patents	Coll/affi	Publ	R&D Services	TM	Constraints	Suggestions
1	2	3			4		5	6	7	8	9	10	11
		Area	Manpower		Area	Facilities							
			R&D	Sup Staff									
NIL	NIL	Occupational Medicine Reserach	9	6	Occupational Medicine Reserach	X-ray van, Mobile van	NIL	1	775	<ul style="list-style-type: none"> • Testing • Training • Consultancy Services • Studies • Surveys • Clinical Trials • Supply of data • Contact Research • Special Services • Technology Transfer 	SAARC countries. Gulf, African Countries, South American countries, East-Asian countries.	<ul style="list-style-type: none"> • Inadequate marketing capabilities • Marketing policies of Labs • Inadequate government support for marketing • Bureaucratic Bottlenecks. • International Regulation 	<ul style="list-style-type: none"> • Motivate scientists for making their own web site and marketing their individual service plan. • Institute maintains a server to support voluntary services and database. • Teaching courses to be started for motivating young scientists. • Incentive is to be given to Scientist for performing research activities.
		Occupational Hygeine Reserach	2	5	Occupational Hygeine Reserach	Dust sampler, Atomic Spectro-Photometer							
		Environmental Assessment	0	0	Environmental Assessment	HPLC, Aas Analyzer							
		Psycology	1	8	Psycology	Audiometer and forms							
			12	19				1	775				