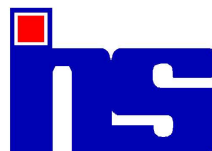


Director's Report 2018 -19

**Reviewed and Recommended by the IHS Executive Committee
Meeting Dt: 31/12/2019 and
Adopted by the Annual General Body, 08-20 July, 2020.**



THE INSTITUTE OF HEALTH SYSTEMS



The Institute of Health Systems , HACA Bhavan, Hyderabad, TS 500004, India.

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The Institute of Health Systems, Director's Report, 2018-19.

Ladies and Gentlemen,

On behalf of the faculty and staff of the Institute, I welcome you all to this 24th Annual General Body meeting. During the reporting period, we continued as an independent Water Quality Monitoring (WQM) agency for the Hyderabad Metro Water Supply & Sewerage Board (HMWSSB). The "Study of Consumer Complaints and Water Safety in Hyderabad" commissioned by the HMWSSB was also continued. In addition, we provided to the general public, accessible water quality testing & analytical services for public health (AWTASPH). We continued to strengthen and improve quality of the laboratory services. The IHS Laboratory has been accredited by National Accreditation Board for Laboratories (NABL) in the field of chemical testing. A modest improvement of the Institute's financial position enabled us to clear most of the liabilities. However, we are yet to pay development charges for IHS land, and to replenish the corpus fund. The existing staff have worked hard and persevered to keep the Institute going. I gratefully acknowledge the support given by members of the Board, the Executive Council, and the General Body in sustenance of the Institute. I would like to use this opportunity to specially acknowledge the guidance of the IHS Chairman, Dr. G.N.Rao and continued contribution of Dr. Prasanta Mahapatra, President & Dean of the Institute as a volunteer and mentor in all aspects. I first present about the Institute's human resources.

Institute's Human Resources, Fellows & Interns:

We are functioning with a small team mostly of water quality testing & laboratory staff (Table-1). As there are no other research projects except "Study of Consumer Complaints and Water Safety in Hyderabad", we could not recruit faculty and research personnel in the reporting period. However, during the current year, we recruited a faculty and other staff to strengthen the research area and laboratory activities. The expansion in laboratory activities has allowed us to take in more interns and give them practical training in various aspects of laboratory services, field work and information technology support.

Table-1: IHS Human Resources and Stipendiary Interns.

Category of Personnel	As on 31/3/19					As on 31/12/19				
	FT	Stipnd	Fee	Vistg	Tot	FT	Stipnd	Fee	Vistg.	Tot
Faculty & Consultants	2	0	1	1	4	3	0	0	1	4
Res. Associates / Fellows	2	1	0	0	3	2	0	0	0	2
Res/ Fld Invgr/Lab Mgrs	0	0	0	0	0	2	0	0	0	2
Lab Techs / Interns	1	4	0	0	5	1	2	0	0	3
Water Safety Surveyors	2	0	0	0	2	1	0	0	0	1
WQT Investigators	9	7	2	0	18	9	6	0	0	15
Prog. Officer/Back Office	0	0	0	0	0	0	0	0	0	0
Accountant	0	0	0	0	0	0	0	0	0	0
Systems Admin/Pgmr	0	1	0	0	1	0	0	0	0	0
Data Processing	1	1	0	0	2	1	1	0	0	2
Front Office Staff	1	0	0	0	1	1	0	0	0	1
All	18	14	3	1	36	20	9	0	1	30

¹ The number of service provider personnel may vary as their deployment changes according to the quantity and quality of service commitments to the Institute. The figures indicated here are based on the personnel on most days.

² FT=Full Time Employee (Salaried) or Volunteer; Stipnd=Stipendiary Interns; Fee = Consultants; Vistg=Visiting; Tot=total,

Annexures-1A provides more detail about the current faculty and personnel profiles, of the Institute. A list of outgoing personnel is given in Annexures-1B. Our faculty and staff

participated in a few workshops, seminars and conferences, details of which are provided in Annexure-2. As reported earlier, our academic and training programs are now limited to fellowship and internships. During the reporting period we guided one intern Dr. Madigula Nidhita who is a student of Masters in Public Health in Amity University, Noida on the Metro Consumer Complaints (MCC) surveillance project. In addition, we have given practical training to interns in various areas. Details of the fellows and interns are given in Annexures-3A & 3B.

Now, I will give an overview of activities during the reporting period and also briefly touch upon recent developments during the current year. We will then review the time trend of the Institute's financial performance and consider possible directions for the future. Finally I will seek your comments and approval of the audited accounts of the Institute.

Reporting Period (2018-19) Events and Activities:

As you all are aware, the Institute pursues five broad type of activities towards improvement of public health. These are; (a) Research & Consultancy, (b) Academic Programmes, (c) Training Services, (d) Public Services, and (e) Publications.

A. Research and Consultancy:

The following two projects, shown in Table-2, were implemented during the reporting period. Both the projects are funded by the Hyderabad Metrowater Supply and Sewerage Board. The Water Quality Monitoring (WQM) project has been continued from Aug 2019 to Jul 2020. The "Metro Water Board Consumer (MCC) Complaints Surveillance For Water Safety" study has been continued for second year, completed the survey and report submitted for the year 2018-19. Latest approval for MCC project continuation is upto September 2020.

Table-2: Research & Consultancy Projects in the year 2018-19

Project Title	Description
Water Quality Monitoring in Service reservoirs and urban Slums in Hyderabad City.	Water quality investigators (WQIs) regularly visit service reservoirs to monitor residual chlorine (RC) and collect samples for bacteriological analysis. No-RC findings are reported to operations personnel on the spot and related to MWB Quality Assurance officers through WhatsApp messages. WQIs visit slum areas during water supply hours and monitor RC levels of direct metrowater supply in households, and public stand posts (PSPs). Samples are also collected for bacteriological, and physicochemical analysis. Daily reports of RC levels are e-mailed to MWB-QAT officers. Weekly & monthly reports on RC levels, bacteriological analysis and physicochemical test results are furnished to the QAT officers as well as Director-Technical. The IHS Director attends regular review meetings with Director (Tech), CGM(E) Transmission Circle and GM QAT, shares independent monitoring test results and participates in discussion regarding assurance of water quality. The project is renewed upto Aug 2020.
Metro Water Board Consumer Complaints Surveillance For Water Safety	This is a research project to evaluate MWB's consumer complaints resolution and grievance redressal system for polluted water, water leakage and sewer chokage problems. Every month about 100 consumers were randomly selected from the metro consumer complaints (MCC) database for detailed study. Surveyors visited households and gathered detailed information about consumer satisfaction, their complaints resolution experience regarding water supply and sewerage services. Household samples of direct metrowater supply and from corresponding service reservoirs were tested for quality & potability. Quarterly tabulation of results were furnished to the MWB and discussed with senior officers. The 2nd annual report for 2018-19 was furnished in Sep19. The half yearly report of 2019-20 was also submitted.

The recognition of IHS as Scientific and Industrial Research Organisation (SIRO) by Department of scientific and Industrial Research (DSIR), GoI could not be renewed in time i.e by 31-03-2019 due to lack of clarity on Research and Development activities. This was

clarified in a special meeting convened by DSIR at New Delhi in Jul2019 and recognition of IHS as SIRO has been renewed upto 31-03-2021.

B. Academic Programs:

1. Masters in Public Health (MPH): There is no further development since the last meeting.
2. IHS Land-High Court case: The members are aware that, the Public Interest Litigation (PIL) case was listed, in 2015, on several dates in short gaps like on 22/04/2015, 1/06/2015, 22/06/2015, 20/07/2015, 24/8/2015 and last on 31/8/2015. Sri D. Prakash Reddy, the Institute's advocate, did argue our case during some of these dates. However, no final order has been passed by the court and the case has not been listed, after 31/8/2015.
3. Land Development Charges: The members are aware that, pending finalisation of the court proceedings, we initiated proposal with HMDA for conversion of land use from recreational zone to institutional zone. We paid an amount of Rs 9,90,000 towards 50% of the development charges on 24/03/2014. Payment of balance 50% of development charges to HMDA along with interest is pending. In March & Jun 2018, we requested HMDA to calculate the balance to be paid along with draft challan. HMDA has referred the issue to TS Govt and further there is no response.

C. Training Services:

The Institute's training program is now limited to skill development internships in laboratory techniques, field testing, sample collection, sanitary inspection of service reservoirs, data processing and ancillary activities. Table-3 shows an overview of internships offered by the IHS during the reporting period and current year.

Table-3: Overview of Internships at IHS, 2018-19.

Sl Practice & Skill Development	Reporting Year, 2018-19			Current Year 2019-20Ytd		
	Joined	Discontd.	Completed	Joined	Discontd.	Completed
1 Microbiology / Chemical Analysis Lab Mgmt.	0	0	1	0	0	0
2 Laboratory Technique	4	1	1	3	1	3
3 Water Safety Pgm	2	2	1	0	0	0
4 Field Testing For RC & Sample Collection (Water Quality Investgn)	9	2	10	5	3	2
5 Lab Registry & Front Office, Data Processing, and Pgm Implementation.	3	1	1	0	0	1
Total	18	6	14	8	4	6

Joined: Interns Joined During the Reporting Period. Discontd: Number of interns who discontinued their internship during the year (who might have joined during the current/previous periods); Reasons: Pursue alternate career options, and/or Personal constraints, Completed: Number of persons who completed their internships during the reporting period (who might have joined during the current/previous periods).

Number discontinued and completed do not add up to the number joined because each of these figures are about join/drop/complete events during the year in respect of persons who might have joined as interns during the current as well as previous periods. An internship is usually of one year duration. Annex-3A gives short biographies of fellows and interns, and Annex-3B gives a list of fellows & interns who left the Institute for various reasons.

D. Public Services:

1. IHS Laboratories:

- a. Chemical Lab: We improved the human resources by recruiting an experienced Chemical Analyst. A consultant guided the laboratory personnel to conform with Indian Standard Test procedures or American Public Health Association (APHA). Required equipment such as auto burette, spectrophotometer, flame photometer, hot air oven, sample storage freezer, have been acquired. The IHS Chemical Lab received NABL accreditation during the reporting period. Annual onsite surveillance was also conducted by NABL on 23rd Jun 2019 and accreditation continued and upto 05-08-2020.
 - b. Biology Lab: Here, also we recruited an experienced person as Senior Microbiologist. We have improved the Biology Lab equipment with autoclave, incubators and water bath, etc. We have reorganised the Institute's office space to provide Biology laboratory with space and work flow path to meet NABL accreditation criteria. To expand the scope of testing services, we have arranged for training of laboratory personnel in bacteriological endotoxin (LAL) testing procedure.
2. Accessible Water Testing & Analytical Services for Public Health (AWTASPH): IHS Laboratory is listed in JustDial to facilitate online searches. We have clearly defined matrix of test codes and test parameters along with consumer guidance for selection of water quality testing service packages & test codes. IHS Water Quality Investigators visit client premises to collect sample for a modest fee. Reports are being scanned and sent by e-mail, held for pickup or couriered depending on client-options. Clients are appreciating IHS notes & recommendations regarding intended use.
3. Laboratory Revenue: Since last five years, the laboratory has significantly increased its output and has also been a major source of revenue. An overview of revenue from IHS laboratory services is in Annex-4 which shows that, the most of the revenue is being generated from HMWSSB for monitoring water quality at various points of water distribution system operated by them. We made efforts to increase revenue from general clients which is an indicator of popular engagement and trust with the water quality lab. During the year 2016-17, the revenue from general public touched more than Rs 5 lakhs, but reduced to Rs 4.16 lakhs in the reporting period. We focussed on improving the IHS Laboratory facilities and streamlining the procedures and practices. We introduced new tests like Dialysis RO System Feed Water (DRF). We are in the process of introducing new tests like CoD, BoD, Silica etc. We are giving interpretations and recommendations in the test reports which most of the clients are appreciating.
4. Registration of IHS Laboratory as Clinical Establishment: Members are aware that, IHS Laboratory has been registered under the TS Allopathic Private Medical Care Establishments (Registration and Regulation) Act 2002 to provide "Diagnostic Type of Services" valid for a period of five years with effect from 30-11-2017¹.
5. Library: The scope for proactive acquisition of bibliographic resources has been limited due to financial constraints. In addition, lack of space and a full time librarian is a key constraint in developing the library services. To streamline the library, we have weeded out obsolete holdings.

E. Publications:

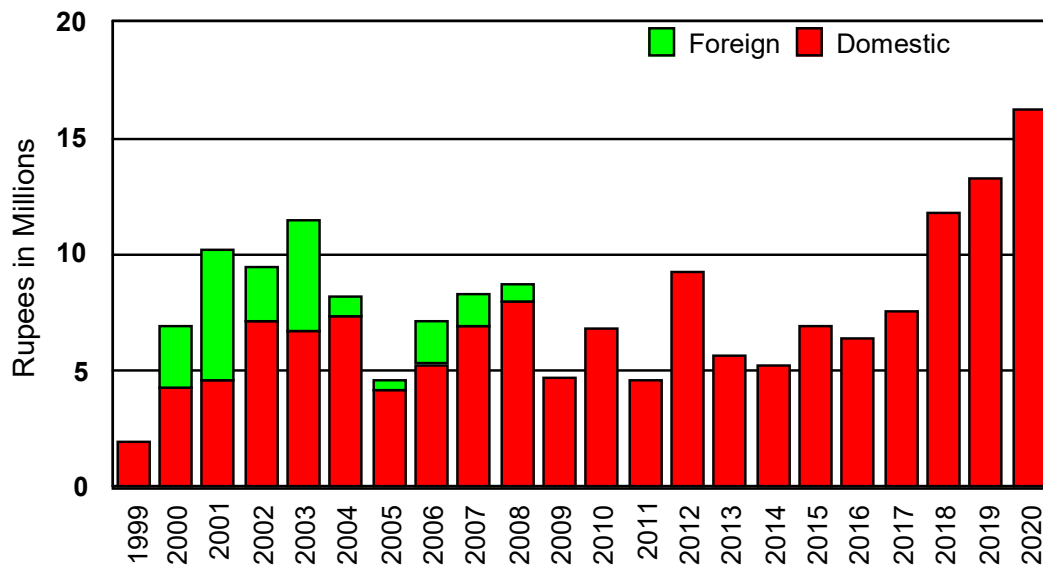
IHS and related publications in the reporting year are listed in Annexures 5 &6.

¹ DM&HO and Chairman Dist Registration Authority, Hyderabad Dist vide REGD.No.07F-APMCE-1109

Taking Stock of the Institute's Financial Position:

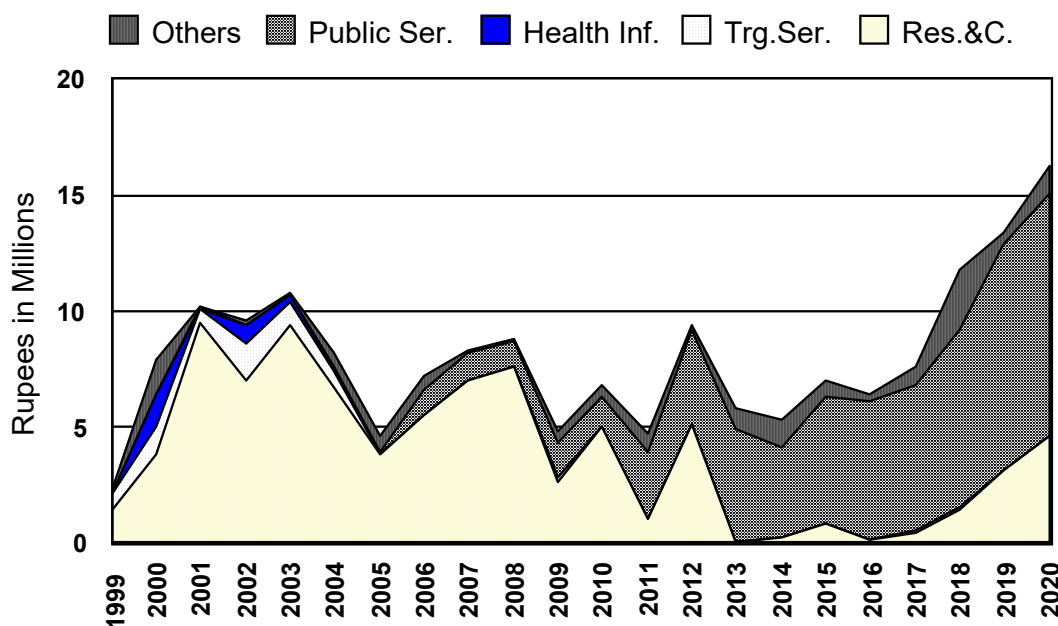
Classification of the Institute's revenue from domestic and foreign sources as well as by activity is given in Annex-7. In Figure-1 the gross revenue generated by the Institute from the financial year ending in March 1999 has been summarized. The average revenue of the IHS has been around Rs 70 lakhs per annum from 2015 to 2017. From 2017 onwards, there is steady increasing in the revenue. During the reporting period, the receipts touched to Rs 133 lakhs.

Figure-1: IHS Gross Revenue Trend Since 1999



Estimate for 2020 is based on year to date and anticipated receipts.

Figure-2: The IHS receipts by broad area of activities



Estimate for 2020 is based on year to date and anticipated receipts.

During the current year, we are expecting further improvement in receipts to about 162 lakhs in view of continuation of the MCC research project. The Institute needs to substantially upscale its activities and improve its finances for effective realisation of its goals.

As is evident from Figure-2, most of our revenue has been contributed by Research and Consultancy till 2012. There is not much revenue from research activities in the years 2013, 2014 and 2016. From 2017 onwards, there is modest increase in revenue from research. In recent years, receipts from public services has been increasing mainly on account of water quality monitoring project from HMWSSB.

I look forward for your guidance in addressing these important issues.


Accounts and Audit Report:

The audited accounts of the Institute for the year 2018 -19, as approved by the Executive Committee, have been enclosed. I now request you to consider the same and give your approval with suggestions if any.

Finally I thank you for having spared the time to participate in this meeting. Your presence is a great inspiration to me, and my colleagues.

I would now request you to consider this report and give your valuable advise and guidance for further development of the Institute. We would like to assure you that we will do our best to translate your ideas and suggestions into action.

Date:20/07/2020


20/7/2020
G. Surendra, Director

Annex -1A

Faculty and Personnel Profile

Full Time Faculty

G Surendra, Director

Sri G. Surendra has rich experience in various areas of public administration, including; (a) Planning & Statistics, (b) Rural Development, (c) Information Technology, and (d) Hospital Management. Prior to IHS, he served as Associate Director & Chief Technology Officer of the LV Prasad Eye Institute, and before that he worked with Planning Department of the Government of AP in various capacities. He is a Certified Information Systems Auditor. He was involved in various health related activities such as Health Financing, Health accounts and Various Health related studies. He presented a Poster on Andhra Pradesh Civil Registration System at First Global Symposium on Health Systems Research at Montroux, Switzerland. Some of other publications to his credits are: Gap Analysis in Rural Health care Facilities in Mahabubnagar District, Drinking Water Quality Monitoring in Service Reservoirs and Urban Slums of Hyderabad City, A Study of Emergency Response Services in three districts of Andhra Pradesh, Andhra Pradesh Civil Registration System Study, Assessment of Doctor Availability in Primary Health centers and provide inputs for Human Resource Planning for Health, Medium Term Expenditure Framework for the years 2008-09 to 2012-13 for the Department of Health Medical & Family Welfare, Govt of Andhra Pradesh, Health Budget & Expenditure Tracking for the department of Health, Medical & Family welfare, for the Govt of Andhra Pradesh, Madhya Pradesh and Kerala. He is also implementing the project on Independent water quality monitoring in service reservoirs and urban slums in Hyderabad city and Metro Consumer Complaints Surveillance on Water Safety in Hyderabad. To manage the IHS Laboratory, he also undergone training on Laboratory Quality Management System and Internal Audit as per ISO/IEC 17025:2005 and also attended the training in update version i.e ISO/IEC 17025:2017.

Dr.Prasanta Mahapatra, Dean.

Dr. Prasanta Mahapatra, is a medical doctor, a Takemi Fellow in International Health and a PhD in International Health Policy & Economics from Harvard University. After practicing for sometime as a Medical Officer in the Central Government Health Scheme, Dr. Mahapatra joined the Indian Administrative Service, in 1980. He served in various capacities in East-West Godavari, Nellore, Nalgonda, Krishna and Guntur districts. Dr. Mahapatra is experienced in revenue, general administration, disaster management, rural development, tribal welfare, women welfare, medical, health, information technology, irrigation and school education sectors. His experiences in the health field include, Registrar of the NTR University of Health Sciences, Director Medical Education, Commissioner Medical Services, Senior Faculty at the Administrative Staff College of India, Director Institute of Health Systems, and Director - Vice Chancellor of the Nizams Institute of Medical Sciences. Before his retirement from civil service, he was the Director General of the MCR Human Resources Development Institute and Ex-officio Special Chief Secretary to Govt. of AP. He has served as member of ICMR Scientific Advisory Group, and Core Group of the Department of Health Research. He was a member of the steering group of the National Nutrition Mission. He was a member of the Scientific and Technical Advisory Group of the WHO - Alliance for Health Policy & Systems Research from 2009-15. Dr. Mahapatra has contributed to the Global Burden of Disease estimates published in the World Bank's World Development Report, 1993. He has

published articles and books in the fields of general administration, rural development, and public health.

Dr. D. Neela Priya, Dy Director & Faculty

Dr. D. Neela Priya is a Postdoctoral Fellow in Environmental Sciences from Indian Institute of Science (IISc), Bangalore. She worked at Indian Institute of Chemical Technology (IICT), Hyderabad for her doctoral thesis in Environmental Sciences. The doctoral degree was awarded by Osmania University, Hyderabad. She holds a Master's degree in Environmental Sciences from Osmania University, and a Master's degree in Chemistry from Dr. B. R. Ambedkar Open University, Hyderabad.

She worked as an Assistant Professor at Chaitanya Bharati Institute of Technology, Hyderabad, for four years during which she was involved in teaching, supervising student projects, organizing and attending conferences/workshops, delivering guest lectures, administrative duties etc. Later, she joined M/s Ramky Enviro Services Private Limited as Senior Assistant Manager. During her tenure, she was involved in providing consultancy services for several Environmental Impact Assessment (EIA) projects and non-EIA projects. She was also accredited as Functional Area Expert in Solid and Hazardous Waste Management and Water Pollution by National Accreditation Board for Education & Training (NABET).

She worked as Knowledge Management Expert at Administrative Staff College of India where she was associated with projects related to Faecal sludge & Seepage Management funded by the Bill & Melinda Gates Foundation (BMGF) and the Hyderabad Metropolitan water Supply & Sewerage Board (HMWSSB). She was the SPOC and team lead for these projects and supported activities related to pilot project implementation, preparation of detailed project reports, drafting project proposals, developing curriculum and training materials, organizing workshops and attending training programmes in India and abroad. Currently, she is working as Deputy Director & Faculty at the Institute of Health Systems, Hyderabad.

She is well versed with technical writing, research articles, project proposals, documentation/reports etc. As on date, she has published 24 articles which are a combination of both research articles and book chapters. She also presented her research work at various National and International Conferences. Her professional interests include teaching, providing training and consultancy services, research related to cost-effective and environmental friendly technologies/solutions for Water & Wastewater Treatment, Waste Management etc.

Consultant:

Sri Dhananjaya Rao

Sri Dhananjaya Rao did his post graduation in Chemistry and got 20 years laboratory experience by working in various capacities in the laboratories like SGS India Pvt Ltd Chennai, TA labs Chennai, and Bhagavathi Ana Labs Hyderabad. He was Director for Chennai Testing Laboratory Pvt Ltd for 2 years. He is the Lead Assessor as per ISO/IEC 17025, Quality Management Systems (QMS) Lead Auditor (ISO9001:2000), Environmental management System (EMS) Lead Auditor (ISO:14001:2004). He performed nearly 350 assessments as per ISO/IEC 17025 conducted by NABL. Presently he is working as Adjunct Faculty at MIT - Aurangabad and Director for SPARK Analytics. Sri Dhananjaya Rao is extending consultancy on NABL process for IHS Chemical Lab.

Visiting Faculty:

Prof Dayakar thota

Dr Dayakar Thota is an Ex-Armed Forces Medical officer and also holds his PG in Hospital Administration from University of Pune. He served the Indian Army from 1971 to 1994 and took part in 1971 Indo-pak war as well as IPKF operations in Srilanka. He also possesses M.Sc (Defense Sciences) from Madras University. Dr Thota is a qualified Lead Quality Assessor and trained NABH assessor and also a Certified Six Sigma Black Belt.

Currently Prof (Lt. Col) DayakarThota is the Medical Director for Ramdevrao Hospital, a charitable hospital located in Kukatpalli, Hyderabad. Dr Thota's versatile experience includes; (a) Professor & Head of Department of Hospital Administration at Kamineni Institute of Medical Sciences, (b) Chief Learning Officer, Health Management & Research Institute, Hyderabad (104), (c) Director, Institute of Health Systems, Hyderabad, (d) Medical Director, Emergency Management & Research Institute (108), Hyderabad, (e) Management Consultant & Additional Director (Hospital Services), MGM Medical college Hospital, Aurangabad, (f) Medical Superintendent and Professor, Dept. of Hospital Administration, Nizam's Institute of Medical Sciences (NIMS), Hyderabad, (g) Additional Director, Dhirubhai Ambani Hospital, Lodhivali, Maharashtra, (h) CEO, Lokmanya Hospital, Chinchwad, Pune, (i) Professor of Hospital Administration & Deputy Medical Superintendent, Kasturba Hospital (MAHE), Manipal. He has audited of a number of HCEs for ISO certification. Dr Thota is a life member of professional bodies such as AHA, AHHA, AGE, ISHA, IAMI and IHS.

Research, Laboratory and General Support Personnel:

L. Rakesh, Sr. Microbiologist:

Mr. Rakesh did his Masters Degree in Microbiology and has varied experience in industries. He was Effluent Treatment Plant (ETP) Chemist in United Spirits Ltd, Nacharam Hyderabad, maintaining and managing the inflow-outflow to keep treated effluent parameters within regulatory guidelines. As Assistant Executive and a member of the Hazard Analysis and Critical Control Point (HACCP) Team in Pearl Beverages, he implemented sanitation and systems improvements to satisfy various internal quality audits such as American Institute of Baking (AIB) HACCP, Quality Assessment Service (QAS), Good Manufacturing Practices (GMP), Good Laboratory Practices (GLP), and ISO22000-2005. He is familiar with preparation of media for microbial analysis of packaged drinking water, cold-fill and hot-fill drinks. Before joining IHS, he was Quality Control Executive in Trinity Beverages Pvt Ltd, producing packaged drinking water and other beverages. His role was to manage & maintain plant hygiene in all areas and train shop floor people. Presently he is Senior Microbiologist and Research Associate in IHS since September 2017.

P. Sravanthi Reddy, Chemical Analyst:

P. Sravanthi Reddy graduated in Chemistry and then did a PG Diploma in Chemical Analysis & Quality Assurance from Osmania University. Her project work during the PG Diploma course was on "Detection and Estimation of Alcohol in Biological Fluids" by Means of Gas Chromatography at Central Forensic Science Laboratory (CFSL), Hyderabad. She worked as a Project Analyst (2005-07) in Telangana Pollution Control Board (TPCB - Central Laboratory), Hyderabad. In 2008 she received Masters Degree in Chemistry from Nagarjuna University. She then worked (2008-09) as Analyst for Universal Enviro Associates Pvt Ltd,

dealing with water analysis. Prior to joining IHS, she was Team Leader - Environment in Bhagavathi Ana Labs Pvt.Ltd., Hyderabad and received Internal Auditor training on integrated management systems. Presently she is Chemical Analyst at IHS since 1st Aug, 2017.

S. Pavan Kumar, Joint Chemical Analyst:

Mr. Pavan Kumar has completed Masters degree in the field of Organic Chemistry in the year 2014 from Jawaharlal Nehru technological University of Hyderabad. He participated in seminars on organic reactions and mechanisms, organic synthesis, Protective groups, Stereochemistry. He worked in the Rural water supply and Sanitation department of A.P on water quality monitoring surveillance. He monitored chemical quality of all the drinking water sources once in a year and bacteriological quality of all the drinking water sources twice in a year (pre & post monsoon periods). He use to do water testing of 12 Parameters like pH, EC, Alkalinity, Hardness, Calcium, chlorides, Fluorides, Nitrates, Sulphates, Iron, Sodium, potassium for all 13 districts of Andhra Pradesh at state level lab and then compare sub division level lab water testing results with the state level lab testing results. He trained in ISO/IEC 17025:2005 and faced NABL audits.

K. Laxmi Prasanna, Microbiologist:

K.Laxmi Prasanna, did her post graduation in Microbiology from Jahnvi Degree & PG College, Hyderabad in 2016, affiliated to Osmania University. Her Internship in Microbiology Lab Technique at IHS was completed by Apr 2019. Now, she is working as Microbiologist from 01st May 2019.

M. Lavanya, Laboratory Technician:

Ms Meriga Lavanya, graduated with Chemistry, Microbiology, and Genetics from St. Pious-X Degree & PG College, affiliated to the Osmania University, in 2014. She participated in a hands on workshop in enzymology at Nitza Biological for 5 days from 11th Jul 13 to 15th Jul 13. She completed internship in Laboratory Techniques at IHS by 31st Dec 15. She is pursuing Masters Degree Course in Microbiology by distance education mode from the Acharya Nagarjuna University. She worked as Laboratory Technician in the Chemical Lab, from 1st Jan 2016 to 16th Nov 2019.

P. Sai Keerthi, Laboratory Technician:

Ms Pasham Sai Keerthi graduated in Biotechnology from CMR College of Engineering & Technology. Her graduate major project was on "Production and characterization of Probiotic Bacteria from camel milk" at the Jawaharlal Nehru Institute of Advanced Studies (affiliated to JNTU). She worked with Lactobacilli to identify probiotic strains. Minor project was on production of Zindathilismath, from Camphor, Eucalyptus, Thymol and Alkanetrajanot dye. She was trained on PCR Techniques at JNTU Anantapur and attended workshop on Forensic Science at CBIT. She received a silver medal in academics and consolation prize for poster & power point presentation. She did her Masters in Biotechnology with distinction from Sri Indu group of Institutions. Her post graduate project was on "Polymorphisms of Xenobiotic metabolizing enzymes and susceptibility to breast cancer risk", a matched case-control study in south Indian population to investigate the association of GSTM1, GSTT1, GSTP1 and CYP1A1 gene polymorphisms in breast cancer susceptibility. She completed one year internship in Microbiology Lab Techniques at IHS by

July 2017. She worked as Lab Technician in IHS Biological Lab from August, 2017 to 4th May 2018.

B.V.Victoria Biology Lab Technician:

B.V.Victoria, did her post graduation in Biotechnology in 2017, from University College of Science, Saifabad, Hyderabad, affiliated to Osmania University. She did the project "Isolation & Identification of E.Coli & Lambda phage by Multiplex PCR" from Mahatma Gandhi National Institute of Research & Social Action, Hyderabad, that is published in International Journal of Applied Research 2017;3(5): 827-829. She attended the seminars related to DNA. Her Internship in Microbiology Lab Technique at IHS, started on 27-04-2018 and completed by 10th July 2019. Now, she is working as Laboratory Technician from 30th September 2019.

D Krishna Veni, Lab Registrar Cum Front Office Executive:

Ms. Dasari Krishna Veni, graduated with Mathematics, Physics and Chemistry from A.V.College, affiliated to the Osmania University, in 2009. She completed an internships on Front Office Management at IHS by 31st March 2010. She is conversant with scope of various laboratory services, registration of laboratory test requests, tracking & delivery of test reports, procurement of office stationery & inventory management, maintenance of library catalogue in Procite, supporting events & meetings. She maintains contact with clients and follows-up to gather client feedback. She is working as Front Office Executive and Lab Registrar since 01st September 2018.

G. Karthik, Water Safety Surveyor

Mr.G.Karthik is an engineering graduate in B.Tech in Civil Engineering from VBCE College of Engineering. Prior to joining in IHS, he was Surveying & Execution of PMGSY. He worked as a Faculty in Vignan Study Circle at Dilsukhnagar from 01-02-2012 to 30-04-2013, He worked in Commissioner of Rural Development as TO at Kodangal from 06-04-2013 to 27-11-2014. And also worked as a DCO in IKON Associates at Lakdikapool. He worked Water Safety Surveyor in IHS from 15-10-2018 to 28-08-2019.

A. Vijayendra Mohan, Water Safety Surveyor:

Sri Vijayendra graduated in Microbiology, Zoology and Chemistry (BSc MbZC) from New Science Degree College, Hanamkonda, affiliated to the Kakatiya University, in 2011. In 2015, he completed his Masters Degree in English from the University College, affiliated to Telangana University. He worked for sometime as a Computer Operator in BPL. His internship on Back Office Management and Program Implementation, at IHS started from 13th July, 2017. He took a break from 12th Jul 2018 to 10th Oct 2018, to prepare for National Eligibility Test (NET) being conducted by University Grants Commission (UGC). He resumed the internship from 11th Oct 2018 and completed by 28th February 2019. Now, he is working as Water safety Surveyor from 01st March 2019.

M. Srikanth, Data Processing Officer:

M. Srikanth is an engineering graduate in Information Technology from Mother Theresa College of Engineering & Technology (MTCET), affiliated to the JNTU Hyderabad in 2013. Prior to joining in IHS, he was Software Trainer at Satyam Computer Educations Software & Hardware Training Center, Karimnagar from 2016Aug to 2018Apr. He worked Data Processing officer in IHS from 24-09-2018 to 31-03-2019.

Y. Shirisha, Data Processing Officer:

Yeramalla Shirisha graduated from Ideal degree college for women. She took training course in Core Java from APEC Institute at Dilshuknagar, Hyderabad. Later she worked as Software Trainer in the same Institute for 2 years. She trained students in Programming Languages like (C, C++, C#), Technologies (Asp.net, MVC), Database (ORACLE 9i & 11g, SQL, PL/SQL), Web Development (HTML, PHP, CSS). She also worked on projects using HTML and CSS and Dotnet. She has completed her one year internship at IHS in software development - EpiInfo by the end of August 2019. She is working as Data Processing Officer and Research Asst since 1st Sep 2019.

Khaled Bin Seleem, Data Processing Asst:

Sri Khaled graduated in Computer Applications (BCA) from Sri Sai Degree College, affiliated to Osmania University, in 2003. Thereafter, he taught mathematics in Oxford Grammar School and Hyderabad High School, and a Private Tutor, up until 2014. He completed an Internship in Front Office Assistance, at IHS by August, 2017. He worked as Data Processing Asst from 1st Sep 17 to 18th Jul 18.

G. Jaya Krishna, Water Quality Investigator:

Intermediate with Mathematics, Physics and Chemistry from Nalanda Junior College, Hyderabad which is affiliated to the State Board of Intermediate Education. Completed internship at IHS on Field Testing of Residual Chlorine & Water Sample Collection by 31st Dec 2010. He is working as Water Quality Investigator / Field Surveyor for MCC since June 2017.

K.Prabhakar, Water Quality Investigator:

Intermediate with Mathematics, Physics and Chemistry from Nava Chaitanya Junior College, Hyderabad affiliated to the State Board of Intermediate Education. Completed internship at IHS on Field Testing of Residual Chlorine & Water Sample Collection (Water Quality Investigation), by 31st Aug 2015. He is working as Water Quality Investigator / Field Surveyor for MCC since June 2017.

D.Suresh Kumar, Water Quality Investigator:

Intermediate with Commerce, Economics and Civics from Agarwal Junior College for Boys, Hyderabad affiliated to the State Board of Intermediate Education, Andhra Pradesh. Completed internship at IHS, on Field Testing of Residual Chlorine & Water Sample Collection, by 31st Aug 2015. He worked as Water Quality Investigator from 1st Sep 2016 to 31st Aug 18.

Md. Anwar, Water Quality Investigator:

Secondary School Certificate (SSC) with Mathematics, General Science and Social Studies from Sri Sai Vidyalaya High School, Secunderabad affiliated to the State Board of Secondary Education. Completed internship at IHS on Field Testing of Residual Chlorine & Water Sample Collection by 31st Jan 2017. He worked as Water Quality Investigator from 1st Feb 2017 to 31st Aug 18.

B.Venkateshwarlu, Water Quality Investigator:

Intermediate with Mathematics, Physics and Chemistry from Maharshi Junior College, Cherial which is affiliated to the State Board of Intermediate Education. Completed internship at IHS, on Field Testing of Residual Chlorine & Water Sample Collection, by 3rd Oct 2017. He is working as Water Quality Investigator from 01st Oct 2018.

D.Ashok Kumar, Water Quality Investigator:

Graduate in B.Sc Botany, Bio-Technology and Chemistry from National Degree College, Palavancha which is affiliated to the Kakatiya University. Completed internship at IHS, on Field Testing of Residual Chlorine & Water Sample Collection, by 24th July 2017. Now, he is working as Water Quality Investigator / Field Surveyor for MCC since 01st Aug 2018.

D.Kishan Naik, Water Quality Investigator:

Intermediate with Botany, Zoology, Physics and Chemistry from YRM Junior College, Kalvakurthy which is affiliated to the State Board of Intermediate Education. Completed internship at IHS, on Field Testing of Residual Chlorine & Water Sample Collection, by 9th Sep 2017. He worked as Water Quality Investigator from 1st Oct 2018 to 30th Oct 2019.

K.Karthik, Water Quality Investigator:

Intermediate with Mathematics, Physics and Chemistry from Wesley Junior College, Hyderabad which is affiliated to the State Board of Intermediate Education. He did graduation in Bachelor of Commerce from RK Degree College, Hyderabad which is affiliated to the Osmania University. Completed internship at IHS, on Field Testing of Residual Chlorine & Water Sample Collection, by 5th August 2017. He is working as Water Quality Investigator from 01st Aug 2018.

Mohd.Afzaluddin, Water Quality Investigator:

Intermediate with Mathematics, Physics and Chemistry from Narayana Junior College, Hyderabad which is affiliated to the State Board of Intermediate Education. Completed internship at IHS, on Field Testing of Residual Chlorine & Water Sample Collection, by 4th July 2017. He is working as Water Quality Investigator from 01st Aug 2018.

S.Anil Kumar, Water Quality Investigator:

Graduate in B.Sc Botany, Physics, and Chemistry from Vijaya Sai Degree College, Siddipet which is affiliated to the Osmania University. Completed internship at IHS on Field Testing of Residual Chlorine & Water Sample Collection by 11th August 2017. He is working as Water Quality Investigator from 01st Aug 2018 and also assisting in house keeping and accounts.

Pavan Kalyan

Intermediate with Mathematics, Physics and Chemistry from Gowtham Junior College, Hyderabad which is affiliated to the State Board of Intermediate Education. Completed internship at IHS on Field Testing of Residual Chlorine & Water Sample

Collection, by 31st Oct 2019. He is working as Water Quality Investigator from 01st Nov 2019.

Ajay Kumar

Intermediate with Mathematics, Physics and Chemistry from Gowtham Junior College, Hyderabad which is affiliated to the State Board of Intermediate Education. Completed internship at IHS on Field Testing of Residual Chlorine & Water Sample Collection, by 31th Oct 2019. He is working as Water Quality Investigator from 01st Nov 2019.

Annex - 1B

Outgoing Personnel in 2018-19 & 2019-20 (Ytd).

Faculties & Associates:

Name	Designation	Join date	Leave date	Remarks
2018-19				
None				

Research Assistants & Investigators:

Name	Designation	Join date	Leave date	Remarks
2018-19				
1 Khalid Bin Seleem	Data Processing Asst	01-09-2016	08-07-2018	Termination for irregular attendance
2 M. Srikanth	Data Processing Officer	24-09-2018	31-03-2019	Resignation for looking overseas job
2019-20				
1 G. Karthik	Water Safety Surveyor	25-10-2018	14-05-2019	Resignation due to family problems

Water Quality Lab Personnel:

Name	Designation /project	Join date	Leave date	Remarks
2018-19				
1 P. Sai Keerthi	Lab Technician	25-07-2016	04-05-2018	Resignation for higher education
2 D. Suresh Kumar	Water Quality Investigator	15-02-2012	31-08-2018	Term Completion
3 Md. Anwar	Water Quality Investigator	05-01-2015	31-08-2018	Term Completion
2019-20				
1 D. Kishan Naik	Water Quality Investigator	09-09-2017	02-11-2019	Termination for fudging RC testing
2 M. Lavanya	Lab Technician	25-01-2014	16-11-2019	Resignation due to long distance from home

General Support

Name	Designation/Project	Join date	Leave date	Remarks
2018-19				
1 T. Kiran	Driver	01-02-2018	30-11-2018	Resignation for other career

Notes: Join date is the first day of the current spell of personal affiliation with Institute. However, the nature of initial affiliation might have been different from the status at the time of exit. For example, a person may join as an intern or apprentice and may then be employed by the Institute at the end of internship. Similarly, the designation of those employed may change from the date of entry to the date of exit.

Annexure-2

IHS Participation in Training Programs, Workshops, Seminars and Conferences in the year 2018-19 & 2019-20 (Ytd)

Dr. Prasanta Mahapatra, President & Dean:

Course/Workshop Title	Institution	Dates
Executive Development Programme for Dist Pgm Managers (DPM), National Health Mission, Odisha (May 21-25, 2018). Session on role of PH Managers to attain SDG	Administrative Staff College of India, Hyderabad.	2018 May 05
Book release "Equity and Access: Health Care Studies in India" Discussant on the section "Right to Health and Universal Health Strategies"	Oxford University Press, at Lamakaan, Banjara Hills, Hyderabad,	2018 Jul 12
Mahila Abhivruddhi Society, Andhra Pradesh (APMAS) Advisory Board Meeting	APMAS at Manikonda, Hyderabad.	2019 Jan 19

G Surendra, Director:

Course/Workshop Title	Institution	Dates
Inclusive Development: Issues and Challenges	Centre for Economic and Social Studies, Hyderabad	2018 Oct 08
PhD Seminars on Pre-submission of thesis	Centre for Economic and Social Studies, Hyderabad	2018 Nov 1-2
Rapid Method for Detection of Coliform and E.Coli in Water	Savant Instruments pvt Ltd on behalf of IDEXX Water testing Solutions	2018 Dec 04

L. Rakesh, Senior Microbiologist and Research Associate

Course/Workshop Title	Institution	Dates
Rapid Method for Detection of Coliform and E.Coli in Water	Savant Instruments pvt Ltd on behalf of IDEXX Water testing Solutions	2018 Dec 04

P. Sravanthi Reddy, Chemical Analyst and Research Associate

Course/Workshop Title	Institution	Dates
Analytica Anacon India and India Lab Expo 2018,	Hitex Exhibition center, Hyderabad.	2018 Sep 07
Rapid Method for Detection of Coliform and E.Coli in Water	Savant Instruments pvt Ltd on behalf of IDEXX Water testing Solutions	2018 Dec 04

M. Lavanya, Laboratory Technician

Course/Workshop Title	Institution	Dates
Analytica Anacon India and India Lab Expo 2018,	Hitex Exhibition center, Hyderabad.	2018Sep 07

A. Jeevana, Intern in Lab Technique

Course/Workshop Title	Institution	Dates
Analytica Anacon India and India Lab Expo 2018,	Hitex Exhibition center, Hyderabad.	2018Sep 07

K. Laxmi Prasanna, Intern in Lab Technique

Course/Workshop Title	Institution	Dates
Analytica Anacon India and India Lab Expo 2018,	Hitex Exhibition center, Hyderabad.	2018Sep 07
Rapid Method for Detection of Coliform and E.Coli in Water	Savant Instruments pvt Ltd on behalf of IDEXX Water testing Solutions	2018 Dec 04

Annex -3A:

Fellows & Interns, in 2018-19 & 2019-20 (Ytd).

Dr. Nidhita Madugula, Intern:

Dr. Nidhita graduated with an M.B.B.S degree from Soochow University, China and then took up two years course of Masters in Public Health in Amity University, Noida. She requested for short term internship at IHS and it is accepted. She has been guided on Metro Consumer Complaints Surveillance Project. She trained in field work of MCC survey, Residual Chlorine testing, Sample Collection, data entry in EpiInfo and data analysis. She did her internship from 5th Feb 19 to 2nd Apr 19 and learned the household survey, water sample collection, data entry and analysis.

G.Sravanthi, Intern in Healthcare Software Development:

Ms. G.Sravanthi is a Bachelor of Technology (B.Tech) in Computer Science & Engineering from Sarada Institute of Technology & Sciences (SITS) Khammam, affiliated to the JNTUH. She was Program Analyst Trainee at E-Data Global Services, Hyderabad, Dec 2016-Feb 2017. She did a course on .NET Framework (Asp, Ado) at Naresh Technologies, Hyderabad during 2017 March-July. She is familiar with programming languages like C, C#, and HTML. She completed her internship in Healthcare Software Development at IHS, focusing on Epi Info from 28-08-2017 to 31-08-2018.

A. Divya Jyothi, Biology Lab Technique:

A. Divya jyothi did her M.Sc. in Biotechnology in 2014, from Loyola Academic Degree and PG College, affiliated to Osmania University. She did a project "Optimization of Monoplex PCR for OXA-23 in Acinetobacter baumannii isolate" from Global Medical Education & Research Foundation, Lakdikapool, Hyd, and worked for 1 year in the same lab as a molecular lab technician. Her Internship in Microbiology Lab Technique at IHS, started on 16-04-2018 and completed by 10-07-2019.

Swathi Banoth, Biology Lab Technique:

Swathi Banoth, joined as a Biology Lab Intern in IHS since 9th March 2018. has done Graduation in the stream of Bsc-BMC (Biotechnology, Microbiology, Chemistry) from Kathutba Gandhi Degree & PG women's college, Hyderabad in 2015. She attended work shop in Genetics-Gene Transfer Technique. she did project work in Diabetes. She trained in IHS on laboratory techniques in Biology lab from 09-03-2018 to 03-01-2019.

A. Jeevana, Intern in Chemical Lab Technique:

Ms. Jeevana graduated in science (BSc BtZC) from Satavahana University, in 2013. In 2015, she completed Masters in Environmental Science (MSc EnvSc), from Osmania University. As part of the post graduation, she did a project for one month duration on " Assessment of Sewage Treatment Plant" in the Singareni Collieries Company Limited. She worked as a Chemist for water, soil and ambient air testing, in Bhagavathi Ana Labs, from April 2016 to August 2017. Her Internship in Chemical Lab Techniques at IHS, started on 6th Sep 2017 and completed by 30th Nov 2018.

B. Prameela, Data Processing Intern:

Ms. Prameela is holding B.Sc a degree from Kiranmayi Degree College, Srikakulam. She worked in Bhavani & Co as Computer Operator at Mehidipatnam. And worked in NCPL

as Admin Coordinator. She trained in Data Processing and EpiInfo at IHS from 10th September to 19th December 2018.

B. Hasanthi, Data Processing Intern:

Ms. Hasanthi is holding BCA a degree from Nizam college, Basheerbagh. Her academic project during graduation was on "AUTOMOBILE EMI MANAGEMENT SYSTEM". After completion of degree, she trained in Hardware and Networking from SNIT institute at Dilsukhnagar and qualified as "Microsoft Technology Associate". Then she took training in "Multimedia and Animation" from Peers Technologies at Maithrivanam, provided by Ni-msme Entrepreneurship & Skill Development Programme (ESDP). She is working as Data Processing Intern in IHS since 04th Dec 2018.

T. Vijay, Program Assistant Intern:

Mr. T.Vijay did his M.Sc in environmental science from Nagarjuna University. He did his project on Green Audit, with special reference to water audit. He was given the opportunity for training on Water and Sanitation program. He was at IHS from 08th August 2018 to 05th September 2018. His internship was terminated as he could not improve his learning.

T. Shashank, Water Sanitation Program Intern:

Mr.Shashank Thati is an engineering graduate in Electrical & Electronics from KU school of Engineering & Technology, affiliated to the Kakatiya University Warangal. He took internship as Water Sanitation Program Intern at IHS from 09th August 2018 to 07th September 2018. He trained in Sanitary Inspection of Service Reservoirs.

H. Swapna, Intern in Lab Technique:

H. Swapna did her M.Sc. in Organic Chemistry in 2017, from SRPG College in hanamkonda Warangal, affiliated to Kakatiya University. She worked as Junior Lecturer in Narayana JR College in Kollur Hyderabad. She also worked in My Rank as a Chemistry Faculty in Dilsukh Nagar. Her Internship in Chemical Lab Technique at IHS, started from 04-12-2018.

B. Kumari, Intern in Lab Technique:

B.Kumari did her B.Sc. in Microbiology, Zoology and Chemistry in 2011, from RBVRR Womens Degree College in Hyderabad, affiliated to Osmania University. She worked as Microbiologist for 1 year in Archeese Laboratories Hyderabad. And also worked in My Rank as a Chemistry Faculty in Dilsukh Nagar. Her Internship in Microbiology Lab Technique at IHS, started from 21-08-2019.

Water Quality Investigation Interns:

Name	Qualifications	Start Date	Practice & Skill Development
N. Ram Manohar	B. A (Social Work)	17-08-2018	
T. Sandeep Kumar	Intermediate (MPC)	27-08-2018	
K. Narendra Bhupathi	Intermediate (BZC)	6-10-2018	
Mohd. Moiz Uddin Ahmed	Intermediate (MPC)	21-02-2019	Field Testing of Residual Chlorine & Water Sample Collection
Rajendra Mohan		25-02-2019	
Momilla Durga Prasad	Intermediate (MPC)	08-03-2019	
N. Ravinder	B,Sc (Biotechnology)	18-03-2019	
T.Bharath	Intermediate (MPC)	24-06-2019	
V.RamaKrishna	MLT	17-07-2019	
N.Pranay Bhaskar	Intermediate (MPC)	14-11-2019	

Annex - 3B**Outgoing Fellows, Interns and Apprentices,
in 2018-19 & 2019-20 (Ytd).****Fellows:**

Name	Designation	Join date	Leave date	Remarks
2018-19				
Nidhita	Research Fellow	05-02-2019	02-04-2019	Completion

Water Quality Lab Interns :

Name	Practice & Skill	Join date	Leave date	Remarks
2018-19				
P. Narasimha Raju	Field Testing of RC and sample Collection	08-02-17	31-07-18	Term Completion
P. Kishore Kumar	Field Testing of RC and sample Collection	23-08-17	31-08-18	Term Completion
G. Sravanthi	Health Care Software Development	28-08-17	31-08-18	Resignation to join in MBA
T. Vijay	Program Asst	08-08-18	05-09-18	Termination for non performance
Shashank	Water Safety Surveyor	09-08-19	07-09-18	Resignation to look for other job.
K. Parushuram	Water Quality Investigator	01-7-2017	31-09-2018	Termination for long absence without leave
A. Jeevana	Chemistry Lab Technique	06-09-17	30-11-18	Resignation for marriage
Swathi B	Lab Tech Intern	09-03-18	03-01-19	Resignation for higher education
Rammanohar	WQI Intern	17-08-18	08-01-19	Termination for false reporting of RC Values- fudging
T. Sandeep	WQI Intern	27-08-18	13-02-19	Termination for continued absence
2019-20				
A. Divya Jyothi	Lab Tech Intern	16-04-18	10-07-19	Term Completion
Jahangir	WQI Intern	01-4-19	31-04-19	Resignation
Rajendra Mohan	WQI Intern	25-02-19	30-06-19	Resignation due to long distance from home
Narendra Bhupathi	WQI Intern	06-10-18	06-07-19	Resignation due to family problems
S. Sowmya	Lab Tech Intern	16-07-19	16-08-19	Termination for non performance.
S. Rohit	WQI Intern	07-07-19	07-09-19	Termination for continued absence.
Swapna	Lab Tech Intern	22-08-19	25-11-19	Resignation due to health problems.

General Support Interns:

Name	Designation/Project	Join date	Leave date	Remarks
2018-19				
Prameela	Data Processing Intern	10-09-18	19-12-18	Resignation for higher education

Apprentices:

Name	Designation	Join date	Leave date	Remarks
2018-19				
None				

Annexure-4

Revenue from IHS Laboratory Services

Year	Source of Revenue				Total
	HMWSSB	EM-ResPj	IM-ResPj	Public	
2006-07	1,280,650	212,521	0	20,575	1,513,746
2007-08	1,263,000	450,000	0	34,465	1,747,465
2008-09	1,178,680	412,670	0	45,913	1,637,263
2009-10	1,519,475	100,800	0	75,375	1,695,650
2010-11	3,057,846	203,500	0	96,325	3,357,671
2011-12	3,966,215	8,400	0	92,700	4,067,315
2012-13	4,832,964	0	0	89,775	4,922,739
2013-14	3,670,530	132,750	0	90,000	3,893,280
2014-15	5,295,762	35,040	0	131,450	5,462,252
2015-16	6,347,591	16,000	0	245,925	6,609,516
2016-17	6,607,801	225,368	159,000	365,265	7,357,434
2017-18	8,238,634	171,269	600,000	465,252	9,475,155
2018-19	8,866,030	0	1,061,000	416,001	10,343,031
2019-20 Ytd 28-02-20	8,610,789	80,750	1,511,400	333,400	10,536,339

¹ HMWSSB = Hyd Metro Water Supply & Sewerage Board - monitoring of residual chlorine in reservoirs, and slum area; ResPJ-EM = Water quality testing services for research projects in other (extramural) agencies, ResPj-IM = Water quality testing services for research projects in IHS, Public = Over the counter, water quality testing services to general public.

Annexure-5

IHS Publications in 2018-19 & 2019 -20 (Ytd)

Reports:

Working Papers:

WP70/2019 Community Health Workers and Access to Primary Healthcare: A Qualitative Study of Accredited Social Health Activists (ASHAs) from a Primary Health Centre in Telangana State, India

Books:

NIL

Annexure-6

Publications Arising from Work Or People at IHS in 2018-19 & 2019 -20 (Ytd)

A. Publications:

Journal	Title
The Hindu, Hyderabad, 2018 September 24, Editorial, Page-8, Cols3-7.	The primary anchor of a health-care road map. The key to success is to integrate prevention, detection and treatment. Author: Meenakshi Datta Ghosh.

B. Invited Presentations:

Presentation Title	Forum / Event	Author(s)
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Annex-7: IHS Revenue Trends by sources and by activity

Fin. Yr. ¹	Gross revenue by sources			Gross revenue by activity				
	Domestic	Foreign	Total	Res. & C.	Trg. Ser.	Health Inf.	Public Ser.	Others
1991	0	0	43,905					
1992	0	424,088	424,088					
1993	50,000	380,000	430,000					
1994	275,042	774,568	1,049,610					
1995	445,517	403,604	849,121					
1996	160,186	768,447	928,633					
1997	835,250	103,612	938,862					
1998	305,100	599,266	904,366					
1999	2,066,525	0	2,066,525	1,440,625	665,900	7,500	42,542	134,053
2000	4,249,243	2,720,925	6,970,168	3,834,275	1,237,020	1,318,650	21,569	1,547,087
2001	4,560,092	5,668,363	10,228,455	9,527,906	596,257	0	36,152	68,140
2002	7,162,946	2,451,095	9,614,041	7,029,835	1,556,105	822,950	37,236	167,915
2003	6,718,690	4,784,857	11,503,547	9,389,693	1,043,050	240,000	53,384	39,991
2004	7,329,734	826,363	8,156,097	6,676,243	744,408	90,750	142,190	529,538
2005	4,180,215	470,160	4,650,375	3,872,674	0	0	98,175	679,526
2006	5,319,507	1,845,761	7,165,268	5,555,979	0	0	1,045,095	612,519
2007	6,898,526	1,414,996	8,313,522	7,010,918	0	0	1,164,000	138,604
2008	7,985,882	840,277	8,826,159	7,564,690	0	0	1,174,555	86,914
2009	4,808,436	0	4,808,436	2,647,624	175,000	0	1,515,120	470,692
2010	6,774,122	0	6,774,122	5,054,076	0	0	1,285,368	434,678
2011	4,699,440	0	4,699,440	1,030,706	0	0	2,907,903	760,831
2012	9,408,422	0	9,408,422	5,088,933	0	0	4,077,380	242,109
2013	5,809,751	0	5,809,751	0	0	0	4,922,964	886,787
2014	5,356,163	0	5,356,163	272,700	0	0	3,895,080	1,188,373
2015	6,965,291	0	6,965,291	853,800	0	0	5,462,252	649,239
2016	6,419,805	0	6,419,805	168,000	0	0	5,980,642	271,163
2017	7,590,076	0	7,590,076	432,859	162,000	0	6,215,371	779,846
2018	11,802,862	0	11,802,862	1,427,577	70,000	0	7,747,882	2,557,403
2019	13,350,640	0	13,350,640	3,149,653	10,000	0	9,679,790	511,197
2020 ²	16,291,920	0	16,291,920	4,585,826	0	0	10,469,490	1,236,604

¹ Institute's financial years are from April to March. Here each financial year is represented by the calendar year in which the financial year ends. For example; 1991 = FY 1990-91.

² Figures for current financial year (2019-20) is an estimate based on year to date + anticipated receipts.

³ Res.&C=Research & Consultancy, Trg. Ser.=Training Services, Health Inf.=Health Informatics, Ser.=Services

Date:20/07/2020

G Surendra, Director

 20/07/2020

