



## Annual Report

2011-2012

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## CORPORATE INFORMATION

### Board of Directors

#### *Chairman*

**Shri Kapil Sibal** (ex-officio)

Hon'ble Minister of Communications & Information Technology, Govt. of India

#### *Directors*

**Shri R. Chandrashekhar**, IAS (ex-officio)

Secretary,

Department of Electronics & Information Technology, Govt. of India (upto 14.03.2012)

**Shri J. Satyanarayana**, IAS (ex-officio)

Secretary,

Department of Electronics & Information Technology, Govt. of India (from 14.03.2012)

**Shri Ratnakar Yashwant Gaikwad**, IAS (ex-officio)

Chief Secretary, Government Maharashtra

**Shri R. Bhattacharya**, IAS

Special Secretary & Financial Advisor,

Department of Electronics and Information Technology, Govt. of India

**Smt Anshu Vaish**, IAS

Secretary, School Education & Literacy, MHRD, Govt. of India

**Prof Samir K Brahmachari**

Director General, Council of Scientific and Industrial Research

**Shri Ajay Praksh Sawhney**, IAS

President & CEO, Media Lab Asia- NeGD

**Dr. F.C.Kohli**

Former Deputy Chairman, Tata Consultancy Services Ltd.

**Shri Kiran Karnik**

Ex-President, NASSCOM

**Shri Som Mittal**

President, NASSCOM

**Dr.Saurabh Srivastava**

Chairman, CA Technologies India

**Prof.Devang Khakhar**

Director, IIT Bombay

#### *Managing Director & CEO*

**Dr. G.V. Ramaraju** (Additional Charge)

Scientist 'G' & GC (R & D in IT)

Department of Electronics and Information Technology, Govt. of India

## **Senior Executives**

### ***Research & Development***

Dr. G.V. Ramaraju, Managing Director & CEO

Shri Ajay Praksh Sawhney, IAS, President & CEO, Media Lab Asia- NeGD

Prof Narendra Ahuja, Member & Coordinator, PSIG, ITRA

Shri.V.K.Bhatia, Research Director, Media Lab Asia

### ***Finance and Administration***

Shri George Arakal, Officer on Special Duty

Shri J.K.Tyagi, Officer on Special Duty (upto 31.7.2011)

Shri K.P.Sivadas, Manager Accounts

### ***Auditors***

Messrs SORAB S. ENGINEER & CO.  
Chartered Accountants, Mumbai – 400 001

## **Corporate & Registered Office**

### **Media Lab Asia**

Samrudhi Venture Park,  
4th Floor, Central MIDC Road,  
Andheri (E), Mumbai,  
Maharashtra, Pin – 400 093

## **Research Hub**

### **Media Lab Asia**

708-723, 7th Floor,  
Devika Tower,  
6 Nehru Place,  
New Delhi – 110019

### **Media Lab Asia – National e-Governance Division**

4th Floor, Electronics Niketan,  
6 CGO Complex, Lodhi Road,  
New Delhi – 110 003

## Members of Technical Advisory Board

**Dr. R. Chidambaram**

Principal Scientific Advisor to the Government of India, New Delhi

**Dr. T. Ramasami**

Secretary, Department of Science and Technology  
Ministry Science and Technology, Government of India, New Delhi

**Dr. Ashok S. Kolaskar**

Advisor, National Knowledge Commission

**Prof. N. Balakrishnan**

Associate Director, Super Computer Education and Research Centre  
Indian Institute of Science, Bangalore

**Prof. Anil K. Gupta**

Indian Institute of Management, Vastrapur, Ahmedabad

**Dr. R.C. Deka**

Director, All India Institute of Medical Sciences, New Delhi

**Prof. M. Barma**

Director, Tata Institute of Fundamental Research, Mumbai

**Shri S.C. Khuntia, IAS**

Joint Secretary (A & T), Department of School Education and Literacy  
Ministry of Human Resource Development, Government of India  
New Delhi

**Prof. Krithi Ramamritham**

Indian Institute of Technology, Bombay  
Mumbai

**Prof. Anupam Basu**

Department of Computer Science and Engineering  
Indian Institute of Technology, Kharagpur

**Prof. Sanjay G. Dhande**

Director, Indian Institute of Technology, Kanpur

**Prof. Ashok Jhunjhunwala**

Department of Electrical Engineering, Indian Institute of Technology, Madras

**Prof. B.N. Jain**

Vice Chancellor, BITS Pillani

**Dr. Murali Krishna Kumar**

Advisor (C and I), Planning Commission, Yozna Bhawan, Sansad Marg  
New Delhi

**Dr. G.V. Ramaraju (Additional Charge)**

Scientist 'G' & GC (R & D in IT)  
Managing Director and Chief Executive Officer, Media Lab Asia

## FOREWORD

### A Journey in Social Entrepreneurship

It is my proud privilege to present this Annual Report of Media Lab Asia for the year 2011-12. The year that has gone by - built on the foundation of close to a decade of observing, understanding and participating in India's development needs and responding with well-targeted ICT products and solutions - has been a highly stimulating period for us.



Media Lab Asia was set up as a Social Entrepreneurship company, a section 25 not-for-profit company, to be a unique platform to harness ICT to serve the needs of common man – to tap the potential 'at the bottom of the pyramid' through marketable products and services, as the Late. Prof. Prahlad put it. With a population of 1.2 billion with rich diversity, talent pool, growth potential, rising aspirations of youth, demographic bulge and problems aplenty to solve, India offers a cornucopia of market opportunities for innovators. The company is continuing to be driven by the motto that ICT and Innovation can be great drivers for change – development, growth, employment, equity, empowerment and better quality of life.

This report provides an account of various activities, products developed and deployed, recognition accorded by various agencies that have encouraged us in our journey, some examples of impact made by the products and projects, on-going and planned work, in addition to balance sheet, information relating to the governance and other relevant information relating to the company during this period.

The year gone by gives us a confidence that Media Lab Asia can reach a prominent place in the years to come in Research, Development and Innovation in chosen areas of ICT. The development work on areas like Livelihood Enhancement, Healthcare, Empowerment of Differently abled and Education will drive us to achieve greater heights in the coming years.

Two developments are particularly redeeming to the company during the year. One was the review of the company by a high level Working Group which has recommended continuation of budgetary support to the company for another decade, besides strategic directions for the company. Second are the strides being made by the two divisions that have become part of the company in the recent past – IT Research Academy (ITRA) and National e-Governance Division (NeGD), in the current year. They have become great instruments of national initiatives in strengthening man-power capabilities in Research & Education and National e-Governance Programme Management respectively.

At a juncture when the thrust of the government is towards taking technology to rural India and the needy in activities like Empowerment of differently abled, Livelihood Enhancement, Education and Healthcare, Media Lab Asia as a company is uniquely positioned to serve as a vehicle to pursue objectives related to these activities.

Media Lab Asia was set up to be a leading innovator in bringing emerging technologies in the service of the common man in India and emerging markets. In the coming decade, it will be our endeavor to continue to tap the academia and research eco-system in India, and to partner with the dynamic and growing ICT industry to trigger rapid growth of innovation driven ICT for Development market in India and other emerging economies.

The company, in its activities and successes, was fortunate to be guided and mentored by eminent people with thought leadership and vision at the Board of Directors, Technical Advisory Board, Department of Electronics and IT and many others. We thank all of them and pledge to work with renewed vigour in enriching the lives of common man we had committed to serve through innovation and technology.

**Dr. G.V. Ramaraju**  
**Managing Director & Chief Executive Officer**

## **MEDIA LAB ASIA : OVERVIEW**

By the dawn of the twenty first century, India was marching rapidly to emerge as a IT powerhouse in the global comity of nations through it's IT & ITES services industry and it's Telecom industry providing robust infrastructure with state-of-the-art technology in wireline and wireless and offering fixed and mobile services through competitive market to a billion plus population.

In that context, it was considered relevant to give special emphasis to the needs of development sectors like agriculture, health and education, to the needs of inclusion and to foster innovation in ICT. Media Lab Asia was set up by Department of Electronics and Information Technology (DeitY), Ministry of Communications and IT, Government of India in 2001 as a not-for-profit company, under section 25 of Companies Act, to respond to that vision, undertake innovation driven research and development and bring out ICT based products, solutions and services which are scalable and can impact the lives of common man in a sustainable manner. After an initial period of one year, Government approved a full scope programme for Media Lab Asia in the year 2003.

Since then, the company has chosen to address Information & Communication Technologies (ICT) and other advanced technologies to benefit of the common man in the areas of Education, Livelihood Enhancement (Agriculture, Artisans, MSME), Healthcare and Empowerment of differently abled. Efforts have also been undertaken to look at the possibilities offered by ICT to empower gender & minorities, tribal and differently abled.

The company works on the paradigm of collaborative research in the task of developing relevant and sustainable technologies and culturally appropriate solutions and bringing them to the daily lives of people. Media Lab Asia works with Academia, Research & Development institutions, Industry, NGOs and the Government in this endeavor.

The Annual Report places before you a snap-shot of projects and activities undertaken by Media Lab Asia, specifically in the recent past and the results of successful efforts towards developing & deploying innovative ICT based products and solutions. The company has gained experience of ten years in understanding the needs of the stake-holders in the field, processes associated with the respective domains, role of ICT for grassroots applications and translation of these into development and deployment of ICT based technologies, products and services. With the implementation of various projects, at the field level, Media Lab Asia has touched the lives of around 3 million people directly, whereas another 3.5 million are indirect beneficiaries – illustrative of the potential for significant impact through scaling up and replication.

The report also lists progress of activities in two other important areas the company was entrusted to handle, namely IT Research Academy (ITRA) and National e-Governance Division (NeGD).

**IT Research Academy:** ITRA is a National Programme to build a national resource for advancing the quality and quantity of R&D in Information & Communications Technologies and Electronics ('IT' for brevity) while institutionalizing an academic culture of IT based problem solving and societal development by closely collaborating teams of researchers and institutions having expertise in the different aspects of the chosen research or application problems. The ITRA will focus on strengthening the nation's competitiveness by expanding the R&D base in IT, especially by leveraging the large IT education sector and IT users such as government, industry and other organizations.



National e-Governance Division (NeGD): The Capacity Building Scheme under the National e-Governance Plan (NeGP) of Government of India envisions establishment of an institutional framework for State-Level decision-making including setting-up of State e-Mission Teams (SeMTs) having relevant expertise and experience to provide technical and professional support to States and Union Territories.

For this purpose, the Department of Electronics & Information Technology (DeitY), Government of India, has created NeGD as an autonomous business division within Media Lab Asia, under the Ministry of Communications and Information Technology, Government of India, for taking up the tasks being carried out by the Programme Management Unit National e-Governance Plan (PMU-NeGP) at DeitY.

### Activities in the last Decade

- **Empowerment of the Differently-Abled**

**www.punarbhava.in - National Interactive web portal to provide information related to different disability issues at one place:** 300+ hits per day

**Navshikhar - An edusat based television channel to provide interactive programmes for special educators and trainee teachers:** Benefitting 473+ RCI recognized centers across the country connected through Direct Reception Systems (DRS)

**Shruti-Drishti - A web page browser for visually impaired:** Deployed in 40 schools in 18 states

**Computerized braille transcription system for visually impaired:** Deployed in 40 schools in 14 states

**Punarjjani™ - Web enabled integrated assessment tool for mentally retarded children:** Deployment in 100 schools throughout the country taken up

- **Healthcare**

**Health Asociado™ - Rural health information management system through handheld computers:** Developed and deployed in Mallapuram area of Kerala with 7.8 lakhs population

**mDhanwanthari™ - Mobile telemedicine system:** Developed and deployed at 20 locations of Cherthala taluk in Kerala; Accessible to 4.34 lakhs people

**eDhanwanthari™ - Rural telemedicine facility:** Developed & deployed at 8 PHC/CHCs & 4 specialty hospitals in Kerala; Accessible to 1.70 lakhs people

**ICT based malaria surveillance monitoring system:** Deployed in Pallahara block of Angul district, Orissa; Accessible to 1.30 lakhs population

- **Livelihood Enhancement**

**eSagu™ - A personalized ICT based agro advisory system:** 100,000+ expert advices on 32 different crops in 200+ villages in 7 districts of A.P.; Also deployed through 9 'Grameen Gyan Kendras' in 66 villages in 3 districts of U.P.

**aAQUA™ (almost all questions answered) - A portal for farmers:** A startup company 'M/s Agrocom Limited' has been promoted; The company registered 21000+ members and received 38000+posts on its website

**Ashwini - Last mile broadband connectivity for integrated services delivery:** Deployed for quality services in e-Learning, e-health and e-agro advisory in 115 villages in A.P.; Accessible to more than 5 lakh people

**CAD for embroidery design:** Deployed in 5 clusters of Lucknow & Kanpur, U.P for Chikankari; In Shahpur Jat village, New Delhi, Kampilya & Farrukabad clusters, U.P. for Zardozi work; In Meerut MSME clusters & in Chanderi, Madhya Pradesh for Chanderi work

**Chetana - Community TV for women empowerment and child development:** Deployed at 8 locations in Andhra Pradesh; Impact in 60 villages

**Community radio station:** Deployed for livelihood generation in 5 agricultural universities (viz. SAU's at Ranchi, Faizabad, Coimbatore, Hissar & Raipur)

- **Education**

**ICT in rural schools of North-East:** Deployed ICT based content in 150 schools in Mizoram, benefitting more than 30,000 students and teachers

## DIRECTORS' REPORT

Directors have pleasure in presenting the Eleventh Annual Report and Audited Statements of the Company for the year ended March 31, 2012.

### Operating Results for the Year Ended March 31, 2012

	Rs. '000	Rs. '000
	March 31, 2012	March 31, 2011
Income	378,880	173,829
Research Expenditure	333,653	140,232
Other Expenditure	45,227	33,597
Directors recommend the following appropriation :	-	-
Reserves & Surplus	83,107	82,876

### Performance of the Company

#### 1. Background

Media Lab Asia was set up by Government of India, Ministry of Communications and Information Technology as a not-for-profit organization under Section 25 of Companies Act with an aim of bringing the benefits of the most advanced information and communication technologies to the common man and the needy people.

The company has endeavored to do so by working in the areas of Education, Livelihood Enhancement (Agriculture, CAD tools for artisans, ERP for MSME etc.), Healthcare and Empowerment of differently abled. The endeavour of Media Lab Asia has also been empowering gender & minorities and tribal people with the use of ICT.

The company works on the paradigm of collaborative research in the task of developing relevant and sustainable technologies and culturally appropriate solutions and bringing them to the daily lives of people. Media Lab Asia works with Academic and Research and Development institutions, industry, NGOs and Government in this endeavor. The support for this unique endeavor from Government of India is amply demonstrated by way of constitution of a Board of Directors chaired by the Hon'ble Union Minister of Communications and Information Technology and Advisory Board chaired by Dr. R. Chidambaram, Principal Scientific Adviser to Government of India. Other members of the Board and the committee are eminent personalities in the country in their respective areas of specialization.

Media Lab Asia has achieved reasonable success in developing & deploying ICTs for the benefit of common man. Media Lab Asia has gained experience of ten years in understanding the needs of the field, role of ICT for grassroots applications through conceptualization, projects preparation, development and its deployment on ICT based technologies, products and services. With the implementation of various projects, Media Lab Asia has touched the lives of around 3 million people directly, and another 3.5 million indirectly.

In the recent past, IT Research Academy (ITRA) and National e-Governance Division (NeGD) were added to Media Lab Asia as two other divisions with their respective agenda in reaching the scope & activities of Media Lab Asia.

## 2. Review of Media Lab Asia

As per approval in 2003, Media Lab Asia was to be reviewed after nine years. In pursuance of the same, DeitY, in October, 2011, constituted a Working Group to review the performance of Media Lab Asia. The Working Group was chaired by Dr. R. Chidambaram, Principal Scientific Adviser to the Government of India. The Working Group has recommended that budgetary support of the Government may continue for another ten years beyond the existing approved period of up to 30<sup>th</sup> April, 2012.

The Working Group reviewed the performance of Media Lab Asia and noted that the activities were taken up as per the business plan approved by the cabinet in 2003 and as per the subsequent recommendations by the Technology Advisory Board as also those of the review Committee of Department of Electronics and IT (DeitY) for the scheme. The Working Group observed that Media Lab Asia has created a niche for itself and presents a unique platform to harness results of new research & emerging technologies to serve the needs of the common man with a range of applications through ICT intervention.

The role of Media Lab Asia in research-technology-commercialization value chain and the model required for scaling up the existing projects and development of marketable products/models, involvement of business market for commercialization of the product was assessed and the opportunity and role of Media Lab Asia was identified.

The Working Group opined that Media Lab Asia is a unique organization in its mandate which is very relevant and valuable in helping to address the national goals in alignment with Government plans and Media Lab Asia may continue and scale up its activities to utilize the structure created for the benefits of bringing the ICT to the lives of common man.

**Positioning of Media Lab Asia** (in the research-technology/product development-commercialization/deployment value chain; for scaling up of existing projects & commercialization of the products; for development of marketable products /models; and involvement of business market) would be as follows:

Stage 1 - Needs assessment, generation of ideas, identifying ideas for technology & product development, Media Lab Asia may sponsor further research to fill gaps.

Stage 2 - Proof of Concept (PoC) - Develop PoC on identified research results for technologies/products

Stage 3 - Technology & basic product development and field testing/pilot deployment- establishment & manage 'Technology and Product Development hubs' co-located with academic & R & D organizations, incubate innovations for application development

Stage 4 - Technology transfer, product development and commercialization- Taking up of activities of entrepreneurship development, incubation & seed support, Build linkages with users in collaboration with other professional organizations

**Application Areas** are as follows (based on priorities, needs assessment for present and future, previous experience in terms of challenges and opportunities in different applications areas, discussions with user departments/their agencies and experts)

- Differently abled (embedded systems, assistive devices, assessment tools, iconic interfaces combined with multimedia portals and contents)
- Healthcare (healthcare promotion, interactive healthpedia, HMIS, HIS and healthcare hierarchy including telemedicine, electronic health records, telemedicine and affordable healthcare equipment and devices)
- Livelihood Enhancement: Medium and small enterprises (CAD tools for artisans, ERP, skill development etc.)
- Livelihood Enhancement: Agriculture (extension, portals, embedded systems, sensor networks, animal welfare etc.)

**Some ICTs** are fundamental to many applications. Media Lab Asia would focus on:

- Mobile technologies
- Human Computer Interfaces
- Indian language technologies applications
- Biometrics for societal applications

Emphasis would be on 'Lab to Land' and "early harvest" projects useful for the masses.

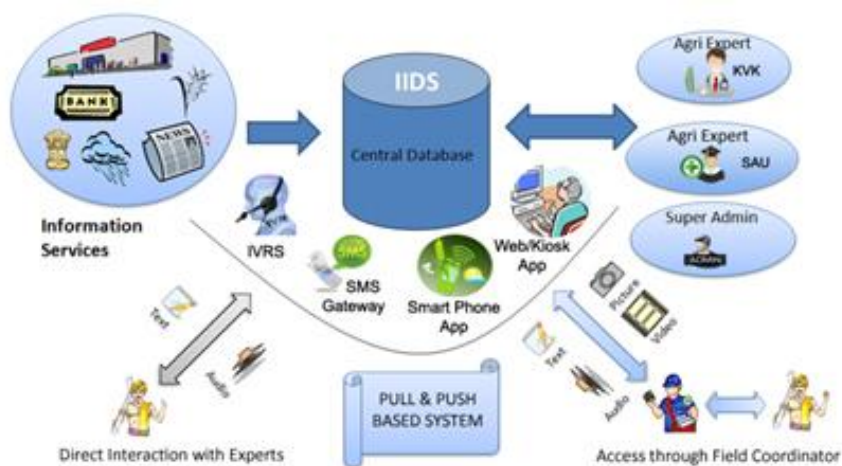
In the scenario of very fast changing nature of ICT, the areas of work would be reviewed periodically and revised accordingly

### 3. Technical and Research Achievements during 2011-2012

#### 3.1 Ongoing Projects

##### 3.1.1 Development of a set of alternative ICT models to meet the information needs of the Indian farmers, based on a study and analysis of the major ICT initiatives in agriculture in India

An integrated ICT model namely, 'Interactive Information Dissemination System (IIDS)' has been generated in this project to provide information to the farmers *as and when they require*. IIDS is an outcome of a comprehensive need assessment study of 26 ICT initiatives in agriculture covering 1381 Farmers in 57 selected sample villages across 12 states of India. This study was carried out to develop an understanding of the agriculture related information needs and problems of the farmers.



IIDS Framework

IIDS is an integrated model consisting of Smart Phone Application, Interactive Portal and IVRS to address the problems of farmers in using ICT applications right from the choice of inputs in the farming system to marketing of the farm products in location specific manner. Development of IIDS Model is in advanced stage, 2 KVKs of Acharya N.G. Ranga Agricultural University in Andhra Pradesh have been identified for pilot testing of this model.

The collaborating agencies are National Institute of Rural Development, Hyderabad; Mudra Institute of Communication, Ahmedabad and Acharya N.G. Ranga Agricultural University, Hyderabad.

### 3.1.2 Gramin Gyan Kendra (GGK)

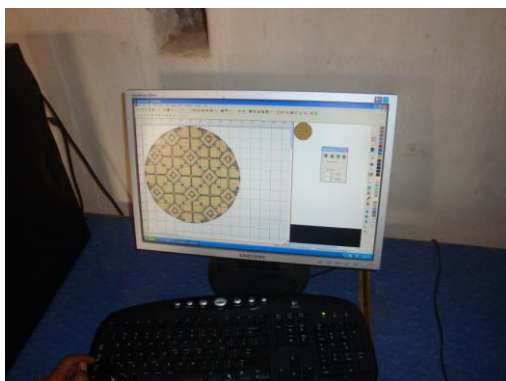
The project involves development of models for use of ICTs to improve social infrastructure and integrated rural development for livelihood enhancement. 29 multimedia content modules in the area of agriculture, local craft and art, computer education and health care have been developed. These contents have been viewed by more than 2500 villagers through GGKs established under the project in Mirzapur, Sonbhadra and Varanasi districts of Uttar Pradesh. Integrated Agri Services Programme (IASP) has been taken up through these GGKs to provide agro-advisory services (eSagu™) along with information on weather, mandi rates and financial services. So far, 1200+ farmers have been registered for eSagu advisory services and 1100+ farmers have availed of information services on weather and mandi rates. 6500+ agriculture advisories have been delivered to the registered farmers. Under IASP business model, Rs 17,500 has been generated. The project is being implemented in collaboration with Banaras Hindu University and IIIT-Hyderabad.

### 3.1.3 Chanderi Integrated ICT for Development Programme (CIIDP)

CIIDP project has been undertaken with the objective of making Chanderi weaving cluster, an ICT enabled Community with Integrated overall development of artisans and their socio-economic empowerment through digital development programmes in the area of Education, Healthcare, Social entrepreneurship, Preservation of culture & heritage, Online marketing, Livelihood enhancement, Social networking, Community building and Tourism development

#### a. ICT & Social Entrepreneurship Programme

An ICT setup has been created in Chanderi (M.P.) for block printing, weaving & embroidery work. 150+ people have been trained in Embroidery work & Block printing on clothes. Jaquard block punching machines, Laser cutting machine & plotter printer are installed in the center with 3D designer software. 4000+ Chanderi weaving designs have been created at the centre by training 100+ Designers. At the centre, 300+ weavers were trained in apparel designing and 2000+ students were trained in basic computing skill, Block printing, weaving, English speaking, & Embroidery work.



Weaving Design using CAD Software

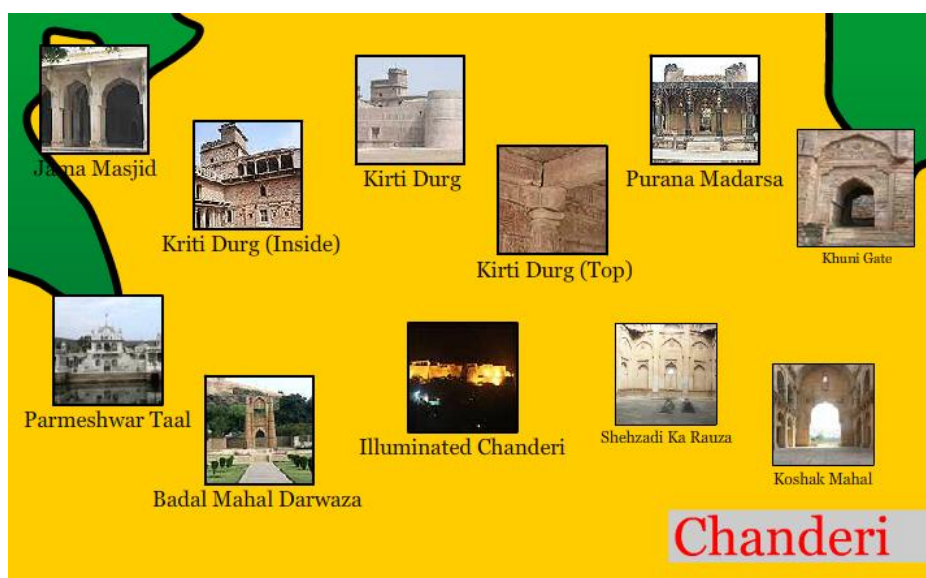


Weaving work at Chanderi Resource Centre

### b. Digital Tourism Promotion Programme

The following portals have been created to digitize different aspects of Chanderi ecosystem including social-cultural-historical characteristics of Chanderi: Local Community Portal <http://www.chanderiyaan.chanderi.org>; Chanderi tourism portal <http://www.chanderi.org> ; Chanderi application portal <http://www.medialabasiachanderi.in> & Chanderi Products e-commerce portal <http://www.chanderiyaan.net>.

Mobile based application has been developed & ported on tourism website to provide pre tour & on tour information on GPRS enabled mobile phones for tourists. A virtual museum application has been developed for Chanderi monuments & ported on Chanderi tourism website.



Chanderi Panorama Tourism Application

### c. ICT in Healthcare Programme

Web based telemedicine software, eDhanwanthari, has been deployed at Chanderi Primary Healthcare Centre (PHC) and Ashoknagar hospital to connect the existing public health facilities in Chanderi with District Hospital, Ashoknagar. Medical consultations have been provided for basic medical tests such as ECG, Spirometry, NIBP (Non-Invasive Blood Pressure) and SpO2 (Oxygen Saturation in blood). A multipurpose medical kit is in use for capturing EMR data of remote patients.

### d. ICT in Education Programme

Computer labs have been set up in 3 Madarsas and 10 schools. Internet connectivity has been provided by wireless network. 120+ Madarsa students and 840+ school students were trained in basic computer skills. Pre-primary educational content for small children, virtual life science & math prep-guide applications have also been deployed at these schools



Demonstration of Educational Software to School Teachers & students



### 3.1.4 Content Generation for Capacity Building of persons with Blindness & Low Vision

The project has been undertaken to empower the Visually Impaired persons by producing study material in Braille, audio, large print and E-text at graduate/post-graduate level. 245 titles of more than 2579 hours have been converted into human recorded Daisy audio books and 74 books of 921 hours have been converted into synthesized voice Daisy audio books. It is benefiting a large cross section of Visually Impaired students. 28,000+ CDs of these audio books have been distributed during the period in collaboration with National Association for the Blind (NAB), New Delhi.

### 3.1.5 Comprehensive Satellite / Internet based National Network for Education, Training and Empowerment of the Differently-abled

The project has been taken up in collaboration with Rehabilitation Council of India (RCI) to facilitate better training facilities for special educators at RCI recognized institutes through 'Edusat' based television channel 'Navshikhar' and dissemination of information related to different disability issues for all stakeholders in the field of disability through web portal 'Punarbhava'. It is having two parts:

#### a. Navshikhar

An 'Edusat' based television channel to provide interactive programmes for special educators and trainee teachers as per RCI (Rehabilitation Council of India) recognized curriculum. In addition, special programmes for students, parents and professionals are also telecasted. The studio and transmission facility for channel has been set up at RCI, New Delhi. Programmes are regularly telecasted as per pre-scheduled topics on various disabilities from 10:00 to 17:00 Hours from Monday to Friday. It is benefitting 473 RCI recognized centers across the country which receives the telecast through Direct Reception Systems (DRS). In the year 2011-12, 123 live teleconference programmes of 245 hours and 326 recorded programmes of 652 hours were telecasted. The reach of channel is being expanded to another 200 RCI recognized centers. On an average 300 centers participate per programme benefitting around 6000 special educators. 25,000+ special educators have benefitted from the channel till March 31, 2012.

#### b. Punarbhava

A web portal providing information related to different disability issues. The information is segregated under different sections such as Legal Instruments, Assistive Devices, Blogs, Accessible Content, Latest News, Events, Employment Opportunities, Publications, and Feedback. The information is beneficial to persons with disabilities, NGOs, professionals, policy makers, students, parents, community workers and other stakeholders in the field of disability. The portal is regularly updated. It has been made accessible for persons with disabilities as per W3C guidelines. Portal on an average gets 300 hits per day



Punarbhava Portal



### 3.2 Completed Projects

#### 3.2.1 Rural Health Management Information System: Health Asociado™

The system empowers the health workers at grassroots level by strengthening health data collection from the field and follow ups (reminder, alerts) using handheld devices. Centralized database, which stores the collected data, serves as an input for planning and decision making thro' analysis of public health data.

Web based application software is hosted at e-Governance data centre, at Trivandrum, of Kerala government using URL <http://www.rhmis.kerala.gov.in>. 120 handheld devices loaded with application software were provided to health workers at 20 PHCs/CHCs/BPHCs of three blocks benefitting 7.8 lakhs population of Mallapuram district, Kerala. 2.72 lakhs persons were registered in the system during the period 2011-12. So far, cumulatively, 7.22 Lakhs persons are registered with the system. C-DAC, Thiruvananthapuram has been the partner in this project. Recognizing the success, the system is being extended to Thiruvanthapuram and six other districts of Kerala by the Health Department of Kerala government in the near future – for the first time in the country on such a scale.



Mobile based Immunization Data Entry - Followup



Data transfer to Central Server

#### 3.2.2 Low Cost mobile Telemedicine Van: mDhanwanthari™

mDhanwanthari™ is a mobile medical unit equipped with necessary diagnostic equipment like ECG, ultrasound machine, hematology analyzer, X-ray digitizer and others. Doctor, Nurses, Lab technicians and Driver cum Attendant are part of the team in the mobile van. The van covers 20 locations in Cherthala taluk of Kerala covering more than 4.34 Lakhs population. The system is operating through KVM Hospital, Cherthala towards early detection & treatment of TB, diabetes and extending specialist care to the rural areas for providing better pre & post natal care. More than 5000 rural patients have benefited through the system during the period 2011-12.



mDhanwanthari Van

### 3.2.3 Rural Telemedicine System: eDhanwanthari™

eDhanwanthari™ is a web based telemedicine system developed with the objective of providing advanced healthcare facilities to under-served communities in diagnosis, management of acute conditions and post-operative assessment of patients in remote areas. A specialist at one site delivers health care, diagnoses the diseases, gives intra-operative assistance, provides therapy or consults with another physician/paramedical personnel at remote site. The application software has two versions viz. centralized and distributed one. Centralized version stores data at central server while distributed version stores data at central server as well as at local computer. Telemedicine facility has been provided at 8 Remote Centers (CHCs/PHCs) from 4 Specialty Hospitals / Medical College Hospitals in Kerala. More than 320 patients have benefited from the system during the period 2011-2012.



Tele-consultation

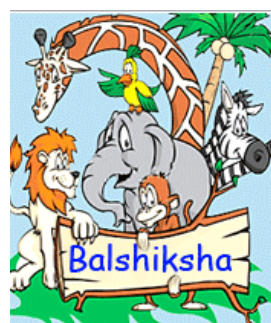


Electronic Medical Records

### 3.2.4 Multimedia based pre-primary teachers resource kit for English & Hindi: Balshiksha™

Balshiksha™ is a multimedia based resource kit for teachers and parents of preprimary children. The target age group is between 1.6 years to 5.6 years. The package consists of animations, stories, rhymes, folklores, fun activities, charts etc. The content has been integrated with voice over, videos and interactive animations.

The system can be accessed at <http://www.balshiksha.in>. Balshiksha™ can also be installed on desktop and mobile platform.

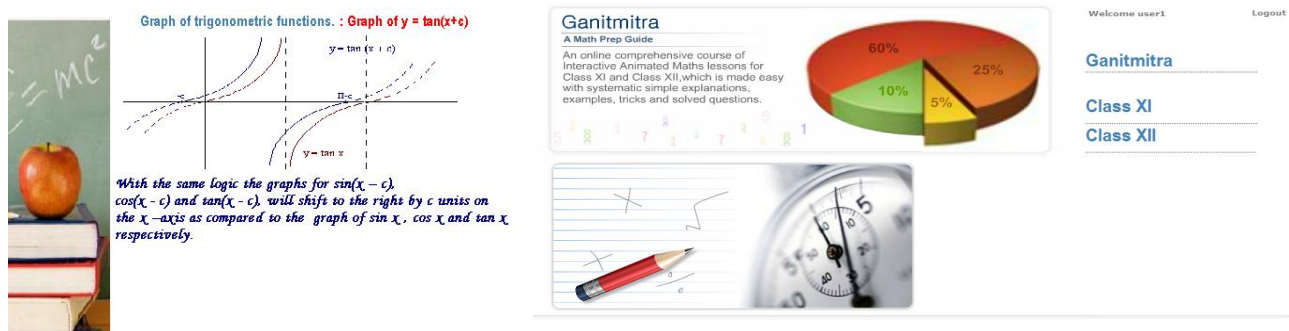


Balshiksha

### 3.2.5 Mobile and Internet based math prep guide application: Ganitmitra™

Ganitmitra™ is an eLearning package for students of classes XI & XII to study & learn mathematics. Ganitmitra™ enables students to understand and solve difficult Maths questions with simple strategies. The multimedia content consists of voice over, animations, diagrams, Multiple Choice

Questions (MCQ), Trick book and the like. Ganitmitra™ can also be installed on desktop and mobile platform. Ganitmitra™ can be accessed at <http://www.ganitmitra.in>.



Graph of trigonometric functions. : Graph of  $y = \tan(x+c)$

$y = \tan(x+c)$

$y = \tan x$

With the same logic the graphs for  $\sin(x-c)$ ,  $\cos(x-c)$  and  $\tan(x-c)$  will shift to the right by  $c$  units on the  $x$ -axis as compared to the graph of  $\sin x$ ,  $\cos x$  and  $\tan x$  respectively.

Ganitmitra  
A Math Prep Guide  
An online comprehensive course of Interactive Animated Maths lessons for Class XI and Class XII, which is made easy with systematic simple explanations, examples, tricks and solved questions.

Welcome user1 Logout

Ganitmitra

Class XI

Class XII

View Video

Ganitmitra

### 3.2.6 Mobile and internet based virtual laboratory for life science experiments for higher secondary education: e-vigyanshala™

e-vigyanshala™ is an eLearning application targeted for students of classes XI & XII covering life science experiments. Virtual tools and apparatus are provided as objects on the screen to perform the practical task. Using these tools, students can practice for better assimilation and to carry out the practical, which may help them in their learning and examinations. This application will be useful as these practical experiments are generally not repeated in colleges.

e-vigyanshala™ consists of more than 70+ Life Sciences experiments. e-vigyanshala™ provides on screen instructions for navigation and has comprehensive dictionary/vocabulary, specific to an experiment. The multimedia consists of voice over, videos and interactive animations. e-vigyanshala™ can be accessed at <http://www.e-vigyanshala.in>.

An online Life Sciences Practical Lab for Class XI & Class XII application demonstrates Experiments and Guides the user to conduct Experiments Online.



Core Experiments

Spotting Experiments

Investigatory Projects

Study of pollination in sunflower and legumes. : Observation

Observation 1: (Sunflower)

Capitulum (inflorescence)

Stem

Leaf

View Video

e-vigyanshala

## AWARDS & RECOGNITION

### Awards

**National Award:** Media Lab Asia has received National Award for 'Empowerment of Persons with disabilities 2007' for 'Cost effective Adaptability of Technology' by "Ministry of Social Justice & Empowerment, GoI" in December 2007.

**Nasscom Innovation Awards 2007:** Media Lab Asia has received the Nasscom Innovation Award 2007 for Sanyog™, a Multilingual (English, Hindi and Bengali) augmentative communication system for the empowerment of persons with disabilities.

**DA Vinci Award:** A multilingual communication system, Sanyog™ with particular application to needs of the children with neuro-motor disorders has been acclaimed by the Engineering Society of Detroit, Michigan and The National Multiple Sclerosis Society, Michigan Chapter, USA by **DA Vinci Award** in 2004.

**CSI-NIHILENT e-Governance Award:** Media Lab Asia has received CSI-Nihilent e-Governance Awards 2005-06 award for e-Sagu™ (An IT-based Personalized Agro-advisory System).

**Manthan Award 2007:** Media Lab Asia has received **Manthan Award** along with its project partner IIIT Hyderabad for project "eSagu™: An IT-based Personalized Agro-advisory System". e-Sagu™ is recognized as a path breaking initiative in India for grassroots empowerment and development and is one of the innovative e-Content practices using cross media.

**Manthan Award 2005:** aAQUA™ has received the **Gold Award** in the Innovative e-content (e-Inclusion) category at 2005's Manthan Awards.

**Golden Icon Award:** Media Lab Asia has received **GOLDEN ICON Award** in February 2005 under the category of Trail Blazing Application of the Year - New - Entrant, awarded by Department of Administrative Reforms and Public Grievances, Government of India for Project Shruti Drishti, a computer aided text to speech and text to Braille system for the visually impaired.

### Recognition

- Dr. A.P.J. Abdul Kalam, Hon'ble Former President of India included **Ashwini project** in his website
- **eSagu™** recognized as one of the World-wide latest novel internet applications in the "Innovative Application Case Study 2006" of Institute for Information Industry, Ministry of Economic Affairs, Taiwan.
- Nandan Nilekani's Book "Imagining India" mentions about the **eSagu™** project "In Andhra Pradesh an agro-advisory network allows villagers to take photographs of sick crops and send them to the university, where they are diagnosed by agricultural scientists who then recommend treatments. Millions of such granular transactions are coming together in a torrent that involves people across the country, from its cities to its poorest, most backward regions."
- World Information Technology Forum (WITFOR) 2005, held at Gaborone, Botswana identified the **Grampatra™** (Store & Forward Technology) technology as implementable project for building ICT infrastructure, where online connectivity is not available. The WITFOR 2005 was hosted by the Government of Botswana in collaboration with the International Federation for Information Technology Processing (IFIP) under the auspices of UNESCO.



### 3.3 New Projects Initiated

#### 3.3.1 Installation of 40 DRS (Direct Reception System) centers in NE region of the country for reception of EDUSAT based channel 'Navshikhar' in disability field

Media Lab Asia is facilitating interactive programmes for special educators, trainee teachers, students, parents, professionals and other stakeholders in the field of disability through 'Edusat' based television channel 'Navshikhar'. This has been benefitting 473 RCI recognized institutes throughout the country which receive the programmes through DRS (Direct Reception System). Another 200 centers will be added in the financial year 2012-2013. Further with a view to extend the benefits of this channel to North-East region of the country, setting up of DRS in selected 40 RCI recognized institutes in the region has been taken up.

#### 3.3.2 Deployment of Punarjjani™ in 100 schools in the country

Punarjjani™ is an ICT based integrated assessment tool for mentally challenged children. It has been developed in collaboration with C-DAC, Thiruvananthapuram to empower special educators for easy, efficient, quick and regular assessment of mentally challenged children. Maintaining detailed assessment & programming records and analyzing them manually is a time consuming and cumbersome task for special educators. To help educators save their time, the tool facilitates integration of three standard methods widely used manually at present viz. FACP (Functional Assessment Checklist Programming), BASIC-MR (Behavioral Assessment Scale for Indian Children with Mental Retardation), MDPS (Madras Development Programming System).

The tool was test deployed in 8 schools in the state of Kerala. On getting favorable feedback from the schools, Media Lab Asia has now undertaken its deployment in another 100 special schools throughout the country. The deployment includes hosting of the tools through Internet – '<http://www.punarjjani.in>' and training & continuous support to schools.



Teachers being trained on Punarjjani



Children with MR in the classroom

#### 3.3.3 Deployment of Chic (CAD tool for embroidery)

CHIC is a software tool which can be used by the artisans in making embroidery designs. It improves productivity, strengthens earlier design concepts and generates a variety of employment and trade opportunities. Designs can be transferred from computer to different media like clothes and paper.

Deployment of CHIC CAD has been undertaken in Shahpur Jat, New Delhi; Kampilya, Farrukhabad, Meerut MSME cluster, U.P.; National Institute for Entrepreneurship & Small Business Development

(NIESBUD), Noida and Varanasi cluster, U.P. More than 100 artisans were trained and 1500+ designs have been created using this tool. Training on CHIC software is being imparted through Fashion Designing course in Embroidery design module at NIESBUD, MSME.



Training on CHIC CAD at Kampilya



Training on CHIC CAD at NIESBUD

### 3.3.4 Test Deployment of Educational Content

Media Lab Asia developed Ganitmitra™, e-vigyanshala™ and Balshiksha™ - multimedia based eLearning applications for Classes XI & XII and Pre-Primary teacher's kit - have been test deployed in some schools in NCR, MP and Maharashtra. Plans are underway to deploy these packages in Government Schools. Deployment of Balshiksha™ is also being planned at selected 'anganwadi' centers under Ministry of Women and Child Development, Govt. of India.

### 3.3.5 Test Deployment of Shikshan™ (Intelligent Tutoring System)

Shikshan™ is an intelligent tutoring system used in eLearning environment. Shikshan™ adapts itself to different categories & pace of students. The system provides a one-to-one relationship between the tutor and the student. Shikshan™ has been deployed in 11 colleges of Osmania University and a couple of management colleges in Delhi. In Osmania University, it is proposed to develop a 2- levels of content (based on difficulty) for management subjects and integrate them with Shikshan™. The system is expected to be used by management faculty & students.

### 3.3.6 Deployment of eGalla™

eGalla™ is a retail management system available both in offline and online mode. The system consists of modules like inventory control, stock management, customer/vendor management, and sales/purchase management. eGalla™ has been deployed in 10 rice mills in Kurukshetra district in Haryana, MSME training centers at Meerut and Moradabad in collaboration with NIESBUD-Noida, Ministry of MSME, Govt. of India. Plans are underway to deploy eGalla™ at various clusters like brass cluster in Moradabad, Potato cluster in Farrukhabad, and Scissor cluster in Meerut.



Shopkeepers being trained on e-galla at Moradabad



Shopkeeper using e-galla

#### **4. Information Technology Research Academy (ITRA)**

IT Research Academy (ITRA) is a National Programme to build a national resource for advancing the quality and quantity of R&D in IT while institutionalizing an academic culture of IT based problem solving and societal development by closely collaborating teams of researchers and institutions having expertise in the different aspects of the chosen research or application problems. The core areas of IT lie in various engineering disciplines, notably computer science and engineering, and electrical engineering, although applications may come from almost any discipline.

The ITRA programme is being implemented as a separate Division of Media Lab Asia. A Project Steering and Implementation Group (PSIG) has been set up for initiating the ITRA activities. The PSIG has undertaken the following tasks to date:

- i. Strategy Formulation Meeting (SFM) on "IT Based Innovations in Water Resources Sustainability" was organized from 28-30<sup>th</sup> Sept, 2011 in Delhi. The objective of the SFM was to define specific goals & principles and develop institutional organization framework, research thrust areas, implementation & assessment plan and plans for partnership, collaboration & mentoring in the aforesaid area. The meeting was attended by 50+ national and international participants. This SFM identified the following themes:
  - a. Improving Hydro-Meteorological Prediction for Economic Development
  - b. Improving Groundwater Levels and Quality Through Enhanced Water Use Efficiency in Agriculture
  - c. Total Urban Water Management to Achieve 24/7 Availability
  - d. Inter-basin water transfer for integrated water resource management.
- ii. Strategy Formulation Meeting on "Mobile Computing, Networking & Applications" was organized from 10-12<sup>th</sup> Oct, 2011 in Delhi. The meeting was attended by 50+ participants from academia, government and industry, from India as well as abroad. The programme included talks by many invited speakers, who described their ongoing activities and experiences from past activities. These talks were also useful as a backdrop and source of information for the discussions held during the breakout sessions, which is where the major brainstorming occurred and the recommendations of the SFM were developed. The following were the topics around which the SFM's recommendations were based:
  - a. R&D Challenges
  - b. Capacity building
  - c. Academic curriculum development
  - d. Centers of excellence
  - e. Technology transfer

As a sequel to SFMs, Requests for Proposals (RFP) for both focus areas were prepared and circulated. Currently, 30+ proposals on "IT Based Innovations in Water Resources Sustainability" and 60+ proposals on "Mobile Computing, Networking & Applications" have been received and are being reviewed.

## 5. National e-Governance Division NeGD

The National e-Governance Division (NeGD) is set up as an independent business division under Media Lab Asia. The Government of India approved the National e-Governance Plan (NeGP), comprising 31 Mission Mode Projects (MMPs) and 8 components, on May 18, 2006 with the following vision:

*"Make all Government services accessible to the common man in his locality, through common service delivery outlets and ensure efficiency, transparency & reliability of such services at affordable costs to realise the basic needs of the common man"*

Following activities were undertaken by NeGD in 2011-12:

**Project Appraisal:** As part of Project Appraisals, NeGD has appraised the DPRs of the Panchayati Raj MMP, UID/ NPR MMP, e-Procurement MMP, Immigration MMP, Agriculture MMP, Employment Exchange MMP, e-District MMP and CSC Scheme. Several State DPRs of Commercial Taxes, e-Municipalities MMP and Treasuries MMPs have been appraised. More than 30 projects have been appraised till date.

Additionally, several policies and Bills related to Land Titling Bill, Electronic Delivery of Services bill, National Employment Policy, National Policy for Data Standards, Annual Report to the People on Employment and Accessibility Disability Bill, Land Acquisition Bill and National Food Security Bill have been appraised by NeGD. NeGD is actively involved in the project development, starting with core scoping, for the new MMPs in Education and Health. NeGD has assisted DeitY in preparation, circulation and finalisation of the Cabinet Note on Bharat Nirman CSC Scheme involving an estimated outlay of Rs. 2803 crores.

**Programme Management and Monitoring:** NeGD has assisted DeitY in programme management of NeGP by undertaking various activities viz. Monthly Progress Report (MPR), Project Management Information System (PMIS), Prime Minister's Committee on NeGP, National e-Governance Advisory Group Meeting, Apex Committee Meetings, Council of Mission Leaders etc.

**Technology Management Support:** The NeGD has provided assistance to DeitY in various areas viz.: e-Authentication, Standards, Strategic Control, Common Services and shared platform.

**Dedicated Project Team:** NeGD assisted DeitY in releasing the 'Guidelines for setting-up Dedicated Project Team'.

**Mobile Service Delivery Gateway (MSDG):** On behalf of DeitY, NeGD has provided the overall leadership for this initiative and has supervised and monitored the progress of the project from its inception.

**RFP Standardization:** NeGD has assisted DeitY in formulation of Model RFPs along with Guidance Notes and Toolkit for use by Line Departments and State Governments to procure goods, consultancy services, works and managed services for e-Governance projects both in PPP mode and otherwise.

**Cyber Security Framework for e-Governance projects:** NeGD is assisting DeitY in formulation of a Cyber Security Framework for e-Governance projects.



**Mobile Governance:** NeGD is providing the overall leadership in conceptualization, supervision, and monitoring of this project on behalf of DeitY.

**Shared Service Delivery Platforms:** NeGD worked on the concept of evolving Platforms for e-Governance that could be shared across Ministries / departments / agencies at the Centre and the States.

**The Electronic Delivery of Services Bill, 2011:** NeGD has provided extensive assistance to DeitY in drafting the Electronic Delivery of Services Bill and its introduction in Lok Sabha on 27/12/2011. The same has been referred to the Parliamentary Standing Committee on Information Technology on 05/01/2012 for consideration.

**Awareness & Communication:** In order to assist DeitY in creating awareness about NeGP, NeGD has undertaken a number of activities which include Workshops & Seminars, Regional Consultation Workshops and National e-Governance Conference (NCEG). For the first time, the DeitY presented a Tableau in the Republic Day Parade. The Tableau showcased the theme of NeGP and portrayed the underlying spirit of partnership in NeGP through its Theme Song. Elitex 2011, First Burst in Mass Media and WITFOR 2012 were some of the major events in which NeGD had provided assistance to DeitY.

**Capacity Building Scheme:** Formation of State e-Governance Mission Teams – The CBMC facilitated the appointment of professionals in 34 States & UTs. So far 241 personnel have joined various SeMTs and 224 personnel are currently in place.

**Training:** Till March 2012, 21 Leadership Meets have been conducted in 19 States in which Ministers/MLAs and senior Government functionaries participated.

**Specialized Training Programme:** Till 31st March 2012, 71 programmes covering 20 States and 1915 participants were conducted by NISG. Five batches of Orientation Programme have been conducted so far for the Orientation Training for SeMT personnel. A total of 205 SeMT members from 34 different States/ UTs and 8 NeGD Central Team members have benefited from the programme. The sixth orientation programme has been conducted in June, 2012.

eGPX Certification Programme for Senior Officers of GOI and Certificate Programme in eGovernance for executives (CPEG) conducted by IIM (Indore and Ahmedabad) - 50 trainees have been trained till date.

Chief Information Officers Training (CIO) programme has been launched for creating a talent pool of in-house resources within Departments and Line Ministries to lead e-Governance Programme. Two pilot training programmes, each of 5 weeks duration were organized with the help of NISG. 46 officers from States and Central MMPs have undergone the training. Based on the learnings from the two pilot programmes, a national rollout plan has been proposed under the World Bank's DPL.

International Study Tour for Policy makers, Decision makers and practitioners of e-Governance to learn the best practices, e-Governance framework and implementation: One batch of delegates was sent to Estonia e-Governance Academy during June 2011.

**Case-Studies:** A programme for development of Case Studies is ongoing under knowledge management framework. The programme has attracted interest from Industry, academia and Govt officers.

## **6. Future Activities and Prospective Projects**

### **6.1 Digital Product Design Labs**

Media Lab Asia is planning to establish Digital Product Design Labs (DPDL) at Bangalore (IISc) & Delhi (Media Lab Asia). The labs are envisaged to convert Needs, Research and Ideas into Practical Products with a typical collapsed time of six months. The labs are proposed to work as interface institutions that bridge the gap between research and market. The labs would focus on development of Generic Reusable Components & Platforms to accelerate the process of product development.

The DPDL @ Bangalore would largely depend on the research ideas and outcome of IISc (with a few other sources from other academia) as inputs, at least initially. Topics for research in the lab would usually be based on the experience of the faculty members, the current state of the art, challenges in a given area and continuation of previous work. However, if DPDL converts some of these ideas to successful products, in the long term, the researchers may be influenced by the lab.

The DPDL @ Delhi would largely depend on the ideas, technologies, product prototypes of Media Lab Asia, DeitY institutions and other academia & research labs, and constant opportunities arising at the cross-section of new & emerging technologies, standards and user needs (at the field level or at the lab and planning level). The experts at Media Lab Asia and its ecosystem with their experience of the market would conceptualize those needs in the context of choices.

### **6.2 Mobile Based Agro Advisory System for North East Region (NER)**

Media Lab Asia is taking up projects that expand the ICT based agro advisory services in North Eastern Region. Media Lab Asia along with Central Agricultural University (CAU), has conceived a project proposal namely 'Mobile Based Agricultural Extension System in North-East India (m4agriNEI)'. The project proposal has been discussed and approved by the Media Lab Asia Working Group on Agri projects in NER under the Chairmanship of Padma Bhushan Prof. R B Singh and President - National Academy of Agricultural Sciences. The major objective of m4agriNEI is to enhance the productivity and empower the farmers by providing right information at the right time by implementing a Mobile Based Agricultural Extension System. Initially the target is to cater to 5000 farmers from 40 villages in 3 districts of Meghalaya over a period of 2 years. College of Post Graduate Studies (CPGS), Barapani of CAU would be primarily responsible for implementation of the project in the field and will provide advisory services to the farmers. An Multi Media Agro Advisory Lab will be established at CPGS, Barapani, while Media Lab Asia will develop the required software applications and provide the necessary IT support to the project, apart from overall coordination and monitoring of the project.

### **6.3 Scaling up of ICT based Malaria Surveillance Monitoring System in Orissa**

Based on the successful experience from the pilot deployment of a system in Pallahara block of Angul district, Orissa, a project is scheduled to be taken for scaling up the ICT based Malaria Surveillance Monitoring System in Angul district and other districts of Orissa. The system uses mobile phones for sending the patients' information to central server through SMS and getting the results of diagnoses

quickly and effectively so that they can get timely treatment. GIS will also be integrated with the system which will enable researchers, policy makers and Government to plan on awareness, prevention & treatment policy. The system would be useful to monitor the malaria surveillance and the disease outbreak in the specific area.

#### **6.4 District Level Integrated e-Solution for Health (DIneSH)**

This will be a second generation system which will use smart-phone mobiles, UID and EHR/EMR compatible data capture of citizens. The system will provide use of EHR/EMR compatible data in Telemedicine consultations, use of affordable diagnostic and healthcare equipment, back-end integration of patient data including lab and radiology reports in district and tertiary care hospitals, multi-party conferencing, authentication and audit trail of specialty doctor comments and advisories, making available of EHR within the framework of security, privacy and confidentiality for clinical & research data and possible hosting of back-end infrastructure and application in the cloud. It is intended to undertake rapid prototyping and then proceed to full software development for chosen platforms. These will then be deployed to offer trial services, while concurrent steps like capacity building, BPR (Business Process Re-engineering) will be undertaken before switch-over to full-scale system, covering a chosen district.

#### **6.5 Establishment of ICT based resource center in NER**

It is proposed to set up a ICT based resource center (IBRC) for deployment of Media Lab Asia technologies for livelihood enhancement & capacity building of NER community. Through the center, Media Lab Asia would customize and deploy the 'CAD software for Textile' in NER craft clusters, explore deployment of the telemedicine facilities in remote areas, multimedia & educational contents and ERP based retail management solutions in area of ERP. The project has been taken up in joint collaboration with North Eastern Council.

#### **6.6 An encyclopedia for Healthcare: Healthpedia**

Healthpedia is a collaborative, multilingual portal for health and healthcare. The contents will be developed collaboratively by institutions and individuals – including students and volunteers in different states of India and around the world which then can be commented upon and edited by professionals and readers with access to the site. While the policies of Healthpedia would strongly espouse verifiability and neutral point of view, it would endeavour to guard against perception of systemic bias and inconsistencies which favor consensus over credentials. Healthpedia would help spread health awareness and education for the public, addressing many of the common health challenges. This would be used to reach out to different strata of the society equipping the home-maker with knowledge to take care of health of her family members, at community level through the public/private health infrastructure and at state/national level extending the benefits of promotion of health and prevention of diseases. It will have a knowledge-base of integrative (Allopathy, Ayurveda, Homeopathy, Yoga, Siddha, Unani) medicine to address the healthcare needs of a common man. As a health educational tool, it would be used at home, fields, clinics, hospitals, community healthcare centres, public places & schools. Healthpedia would educate a common man on promotion of health and disease prevention.

#### **6.7 National Portal on Heart Rate Variability Analysis**

The design and development of National portal on Heart Rate Variability (HRV) Analysis for empowerment of medical practitioners, researchers and academics across the country: There are

several doctors/researchers using Heart Rate Variability (HRV) analysis techniques for research. In the absence of availability of software (prohibited by cost or know how), several remote places are not using the technology. The purpose of the project is to make the services and tools available to remote places and simultaneously to build up a national database on Heart Rate Variability Analysis. The immediate use of the portal will be for clinical application i.e. patient care accessible to all the regions of the country. The mid-term benefits of the portal will include research in medical care and development of technologies specific to biomedical application. The long term uses or benefits of the portal would be to create a national level data repository of patients' and healthy individuals for heart rate variability. The data repository will be useful for planning and decision making in healthcare and which will be cost effective.

## **7. Particulars of Employees**

There was no employee in receipt of remuneration of Rs.2,00,000/- or more per month or Rs. 24,00,000/- or more per year as prescribed under the provisions of Section 217(2A) of the Companies Act, 1956 read with the Companies (Particulars of Employees) Rules, 1975.

## **8. Board of Directors**

The following Directors ceased to be Directors on the Board of Media Lab Asia:

- Shri R. Chandrashekhar, IAS (ex-officio) , Secretary, Department of Electronics & Information Technology, Govt. of India on 14.03.2012
- Shri Ratnakar Yashwant Gaikwad, IAS (ex-officio), Chief Secretary, Govt. of Maharashtra on 31.05.2012
- Shri R. Bhattacharya, IAS, Special Secretary & Financial Advisor, Department of Electronics and Information Technology, Govt. of India on 30.09.2012
- Smt Anshu Vaish, IAS, Secretary, Department of School Education & Literacy, Ministry of Human Resource Development, Govt. of India on 30.09.2012
- Shri Ajay Praksh Sawhney, IAS, President & CEO, NeGD, Media Lab Asia on 16.08.2012

The following Directors are being appointed on the Board of Media Lab Asia :

- Shri J. Satyanarayana, IAS (ex-officio) , Secretary, Department of Electronics & Information Technology, Govt. of India. (from 14.03.2012)
- Shri Jayant Kumar Banthia, IAS (ex-officio), Chief Secretary, Govt. of Maharashtra (from 31.05.2012)
- Ms. Anita Agnihotri, IAS , Additional Secretary & Financial Advisor, Department of Electronics & Information Technology, Govt. of India (from 17.10.2012)
- Shri R. Bhattacharya, IAS, Secretary, Department of School Education & Literacy, Ministry of Human Resource Development, Govt. of India (from 16.10.2012)
- Shri V.L.Kantha Rao, IAS, President & CEO, NeGD, Media Lab Asia (from 08.11.2012)

In accordance with the provision of Section 256 of the Companies Act, 1956, Dr. F.C.Kohli, Shri Som Mittal and Prof. Devang Khakhar will retire by rotation at the ensuing Annual General Meeting and being eligible, offer themselves for re-appointment as Director.

## 9. Directors' Responsibility Statement

[Pursuant to Section 217 (2AA) of the Companies Act, 1956]

The Directors confirm that,

1. In the preparation of Accounts, the applicable Accounting Standards have been followed.
2. Accounting policies selected were applied consistently except for advances given to IITs and other organizations which are accounted on cash basis. Reasonable judgments and estimates were made, so as to give a true and fair view of the state of affairs of the Company as at March 31, 2012 and of the statement of income and expenditure of the company for the year ended March 31, 2012;
3. Proper and sufficient care has been taken for the maintenance of adequate accounting records in accordance with provisions of the Companies Act, 1956 for safeguarding the assets of the Company and for preventing and detecting fraud and other irregularities; and
4. The financial statements have been prepared on a going concern basis.

## 10. Finance

The Government of India has provided a grant-in-aid of Rs.8.30 crores for the Core activities of Media Lab Asia and Rs.23.86 crores for the NeGD projects, totally amounting to Rs.32.16 crores during the financial year 2011-12.

## 11. Fixed Deposits

The Company has not accepted any deposits within the meaning of Section 58A of the Companies Act, 1956 and the Rules made there under.

## 12. Particulars of Conservation of Energy, Technology Absorption and Foreign Exchange Earnings and Outgo

### 12.1 Conservation of Energy

Measures for conservation of energy at all levels have been taken.

### 12.2 Technology

The company used latest Technology for carrying on its operations.

### 12.3 Foreign Exchange Earnings and Outgo

	Rs. '000
<b>Earnings in Foreign Exchange</b>	<b>Nil</b>
<b>Total Expenditure in Foreign Currency on :</b>	
<b>i) Import of Capital Items (CIF Value)</b>	<b>Nil</b>
<b>ii) Professional fees</b>	<b>Nil</b>
<b>iii) Other expenses (Trade Mark Registration, Traveling, Communication and Other Costs)</b>	<b>Nil</b>

### **13. Auditors' Report**

The report of the Statutory Auditors of the Company, M/s. SORAB S. ENGINEER & CO., Chartered Accountants, is attached herewith.

The point-wise comments on the observation of the Statutory Auditors on Media Lab Asia Annual Accounts for the financial year 2011-12 is annexed to this report.

### **14. Acknowledgements**

The Directors would like to thank the Department of Electronics and Information Technology, Ministry of Communications and IT, Govt. of India; the Government of Maharashtra; Maharashtra Industrial Development Corporation; the IITs at Mumbai, Delhi, Kanpur, Kharagpur and Madras, All India Institute of Medical Sciences (New Delhi), International Institute of Information Technology (Hyderabad), National Association for the Blind (New Delhi), Rehabilitation Council of India ( New Delhi), Amrita Vishwa Vidyapeetham, (Coimbatore), Digital Empowerment Foundation (New Delhi), Webel Mediatronics Ltd. (Kolkata), Centre for Development and Advanced Computing (CDAC), Pune and Thiruvananthapuram, Banaras Hindu University, State Education Dept, Mizoram, employees and bankers for the support and cooperation they provided over the past year.

**For and On behalf of the Board of Directors**

New Delhi, November 27, 2012

**Director**

**Director**

## Media Lab Asia's Comments to the Observation made by the Statutory Auditors

### Point-wise comments on the observation made by Statutory Auditors on Media Lab Asia's Annual Accounts for the financial year 2011-12

S.No.	Auditor's Observations	Media Lab Asia's Reply
4(a)	Revised Audited Statements of Expenses have been received from Digital Empowerment Foundation for the Financial Years 2009-10 and 2010-11 and for the year 2011-12, after our observation regarding incorrect classification of Capital Expenditure. Approval from Department of Electronics and Information Technology for re-appropriation of the Project Budget has been received by Media Lab Asia vide administrative approval no.1(12)/2008-EA dated September 18,2012. Media Lab Asia will incorporate the re-appropriation as authorized by Department of Electronics and Information Technology in the books of accounts for the year 2012-13. (Refer Note 21)	In response to the observation of the statutory auditors for the year 2010-11 regarding incorrect classification of expenditure by Digital Empowerment Foundation (DEF), DEF has submitted revised audited financial statements for the year 2009-10, 2010-11 and 2011-12. Media Lab Asia had forwarded DEF's request for re-appropriation of budget heads to Department of Electronics and Information Technology for approval. Approval from Department of Electronics and Information Technology, for re-appropriation of the Project Budget has been received by Media Lab Asia vide administrative approval no.1(12)/2008-EA dated September 18,2012. Media Lab Asia would incorporate the re-appropriation as authorized by DeitY in the books of accounts during the year 2012-13.
4(b)	We have relied on the Unaudited Statements of Accounts for expenses aggregating to Rs. 13,772,389 (including Rs 2,247,808 of the previous years) and gross book value of Fixed Assets aggregating to Rs. 888,025 (including Rs 756,025 of the previous years), of National Association for the Blind - New Delhi, International Institute of Information Technology (IIIT) Hyderabad, State Education Department - Mizoram, Centre for Development and Advanced Computing (CDAC) - Thiruvanthapuram, CDAC - Pune, Rehabilitation Council of India - New Delhi and IIT Kanpur, which have been incorporated into the Company's books of account on the basis of statements of account submitted by these organisations, duly certified by the Heads of the concerned Departments/ Institutions. (Refer Note 21). The extent of consequential adjustments, if any, which would arise on receipt of audited statements of expenses and audited details of fixed assets from the IIT and	The Company has instructed the respective institutions/organizations covered in 4(b) of the Auditors' Report to submit the statement of expenses duly audited by the Chartered Accountants. We expect this would be received in due course.

	other organisations mentioned above is currently not ascertainable.	
5(a)	Note 22 relating to non disclosure of expenditure in foreign currency incurred by the IIT and other organizations	Media Lab Asia has written to institutions/organizations implementing the Media Lab Asia Projects to submit the statement of expenditure incurred in foreign currency, if any. A few organizations have reported "NIL" expenditure and Statements from other institutions are awaited.
5(d)	Accounting of expenses incurred against the advances made to the IIT and other organizations on a cash basis (Refer Note 1(a))	The organizations handling Media Lab Asia projects and following Cash based accounting system shall be requested to submit Media Lab Asia Project Accounts on Accrual basis while submitting the Statements of Accounts to Media Lab Asia in future.



## **AUDITORS' REPORT**

1. We have audited the attached Balance Sheet of Media Lab Asia (A Company Limited by Guarantee under Section 25 of the Companies Act, 1956) as at March 31, 2012 and the related Statement of Income and Expenditure for the year ended on that date annexed thereto. These financial statements are the responsibility of the Company's Management. Our responsibility is to express an opinion on these financial statements based on our audit.
2. We have conducted our audit in accordance with auditing standards generally accepted in India. Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatements. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by Management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.
3. This report does not contain a statement on the matters specified in paragraphs 4 and 5 of the Companies (Auditor's Report) (Amendment) Order, 2003 issued by the Central Government of India in terms of sub-section (4A) of Section 227 of the Companies Act, 1956 (the 'Act') as the said Order is not applicable to the Company, being a company licensed to operate under Section 25 of the Act.
4. (a) We have relied on the Statements of Accounts for expenses aggregating to Rs.1,511,224 and gross book value of Fixed Assets aggregating to Rs.36,000 of the Banaras Hindu University - Varanasi, and IIT Kharagpur which have been incorporated into the Company's books of account on the basis of the Statements of Accounts submitted by these organisations duly certified by other Chartered Accountants and accepted by us as correct. (Refer Note 21)

**Attention is invited to the following:-**

**Revised Audited Statements of Expenses have been received from Digital Empowerment Foundation for the Financial Years 2009-10 and 2010-11 and for the year 2011-12, after our observation regarding incorrect classification of Capital Expenditure. Approval from Department of Electronics and Information Technology for re-appropriation of the Project Budget has been received by Media Lab Asia vide administrative approval no.1(12)/2008-EA dated September 18,2012. Media Lab Asia will incorporate the re-appropriation as authorized by Department of Electronics and Information Technology in the books of accounts for the year 2012-13. (Refer Note 21)**

- (b) We have relied on the Unaudited Statements of Accounts for expenses aggregating to Rs. 13,772,389 (including Rs 2,247,808 of the previous years) and gross book value of Fixed Assets aggregating to Rs. 888,025 (including Rs 756,025 of the previous years), of National Association for the Blind - New Delhi, International Institute of Information Technology (IIIT) Hyderabad, State Education Department - Mizoram, Centre for Development and Advanced Computing (CDAC) - Thiruvanthapuram, CDAC - Pune, Rehabilitation Council of India - New Delhi and IIT Kanpur, which have been incorporated into the Company's books of account on the basis of statements of account submitted by these organisations, duly certified by the Heads of the concerned Departments/ Institutions. (Refer Note 21).

**The extent of consequential adjustments, if any, which would arise on receipt of audited statements of expenses and audited details of fixed assets from the IIT and other organisations mentioned above is currently not ascertainable.**

5. Further to our comments in paragraph 4 above, we report that:

- (a) **Except as stated in Note 22 relating to non disclosure of expenditure in foreign currency incurred by the IIT and other organizations**, we have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purposes of our audit;
- (b) In our opinion, **subject to our comments made in Para 5(d) below**, proper books of account as required by law have been kept by the Company so far as appears from our examination of those books;
- (c) The Balance Sheet and Statement of Income and Expenditure dealt with by this report are in agreement with the books of account;
- (d) In our opinion and to the best of our information, **except for the accounting of expenses incurred against the advances made to the IIT and other organizations on a cash basis (Refer Note 1(a))**, the Balance Sheet and the Statement of Income and Expenditure dealt with by this report have been prepared in compliance with the accounting standards referred to in Section 211(3C) of the Act;
- (e) On the basis of written representations received from the Directors, as on March 31, 2012 and taken on record by the Board of Directors of the Company, none of the Directors is disqualified as on March 31, 2012 from being appointed as a Director in terms of clause(g) of sub-section (1) of Section 274 of the Companies Act 1956;
- (f) In our opinion and to the best of our information and according to the explanations given to us, the said accounts read together with the Notes thereon, give the information required by the Companies Act, 1956 in the manner so required and **subject to our comments in paragraphs 4 (a) & (b) and 5 (a), (b) and (d) above**, give a true and fair view in conformity with the accounting principles generally accepted in India:

1. In the case of Balance Sheet, of the state of affairs of the Company as at March 31, 2012; and
2. In the case of the Statement of Income and Expenditure, its income/expenditure for the year ended on that date.

**For SORAB S. ENGINEER & CO.**

Chartered Accountants

Firm Registration Number 110417W

**CA. R.N. Anklesaria**

Partner

Membership No. 034461

Place: Mumbai

Date: November 27, 2012

## **BALANCE SHEET**

**MEDIA LAB ASIA**  
**(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)**

**BALANCE SHEET AS AT 31st March, 2012**

Particulars		Note No	As at 31st March 2012	As at 31st March 2011
			Amt (in Rs.)	Amt (in Rs.)
I.	<b>EQUITY AND LIABILITIES</b>			
1	Shareholders' Funds			
	(a) Share Capital		-	-
	(b) Reserves and Surplus	2	83,107,250	82,876,827
2	Non Current Liabilities			
	(a) Long term Provisions	3	1,191,754	768,547
3	Current liabilities			
	(a) Other Current Liabilities	4	396,044,926	449,797,856
	(b) Short term Provisions	5	397,251	313,200
	<b>Total</b>		<b>480,741,181</b>	<b>533,756,430</b>
II.	<b>ASSETS</b>			
1	Non Current Assets			
	(a) Fixed Assets	6		
	(i) Tangible Assets		81,346,645	79,971,455
	(ii) Intangible Assets		1,760,606	2,905,373
			83,107,251	82,876,828
	(b) Non Current Investments	7	2,400	2,400
	(c) Long Term Loans And Advances	8	6,300,089	6,239,179
	(d) Other Non Current Assets	9	310,803,831	353,320,254
2	Current Assets			
	(a) Cash And Cash Equivalents	10	561,096	21,947,488
	(b) Short Term Loans And Advances	11	56,821,994	14,215,517
	(c) Other Current Assets	12	23,144,520	55,154,764
	<b>Total</b>		<b>480,741,181</b>	<b>533,756,430</b>

Summary of Significant Accounting Policies

1

Notes referred to above form an integral part of the Balance Sheet and should be read in conjunction therewith.

As per our report of even date attached.

**For Sorab S. Engineer & Co.**

Chartered Accountants

Firm Registration No. 110417W

**For and on behalf of the Board****Managing Director & CEO**

CA. R.N.Anklesaria

**Partner**

Membership No. 034461

Director

Mumbai, November 27, 2012.

## **STATEMENT OF INCOME & EXPENDITURE**

**MEDIA LAB ASIA**  
**(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)**

**STATEMENT OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 31st March 2012**

Particulars		Note No.	For the Year ended 31st March 2012 Amt(in Rs.)	For the Year ended 31st March 2011 Amt(in Rs.)
I.	Grant-in-aid (Refer Notes 1(d) and 24 )	13	363,095,185	165,814,904
II.	Other income	14	15,784,923	8,014,405
III.	<b>Total Revenue (I + II)</b>		<b>378,880,108</b>	<b>173,829,309</b>
	<b>Expenses:</b>			
	Research and Development Expenditure ( Refer Note 1(h) )	15	333,653,204	140,232,090
	Employee benefits expense	16	7,942,003	5,148,227
	Administration and Other Expenses	17	37,284,901	28,448,992
	Depreciation and amortization expense			
	- On Research Assets		7,902,960	13,977,263
	- On Other Assets		2,511,096	1,423,546
			10,414,056	15,400,809
	Less: Transferred from Reserve for Fixed Assets (Refer Note 2)		10,414,056	15,400,809
IV.	<b>Total expenses</b>		<b>378,880,108</b>	<b>173,829,309</b>
V.	Excess of Income over Expenditure before exceptional and extraordinary items and tax (III-IV)		-	-
VI.	Exceptional items		-	-
VII.	Excess of Income over Expenditure before extraordinary items and tax (V - VI)		-	-
VIII.	Extraordinary Items		-	-
IX.	<b>Excess of Income over Expenditure before tax (VII- VIII)</b>		-	-
X.	Tax expense:		-	-
XI.	<b>Excess of Income over Expenditure for the year(IX-X)</b>		-	-

Summary of Significant Accounting Policies

1

Notes referred to above form an integral part of the Statement of Income and Expenditure and should be read in conjunction therewith.

As per our report of even date attached.

**For and on behalf of the Board****For Sorab S. Engineer & Co.****Chartered Accountants**

Firm Registration No. 110417W

**Managing Director & CEO**

CA. R.N.Anklesaria

**Partner**

Membership No. 034461

**Director**

Mumbai, November 27, 2012.

**NOTES**



**MEDIA LAB ASIA**

(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)

**NOTES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED MARCH 31, 2012****NOTES TO ACCOUNTS****1 Significant accounting policies****(a) Basis of Accounting**

The financial statements have been prepared under the historical cost convention on an accrual basis of accounting, except for accounting of expenses against advances given to Indian Institutes of Technology and certain other organisations which are accounted on a cash basis, and comply with the accounting standards referred to in Section 211(3C) of the Companies Act, 1956.

**(b) Fixed Assets**

Fixed Assets are stated at cost of purchase/ acquisition less accumulated depreciation. All costs including taxes, duties, freight and other incidental expenses relating to acquisition and installation are capitalised. Assets acquired by Indian Institutes of Technology and other organisations are capitalised based on reports, audited by independent Accountants or certified by Heads of concerned organisations, received from the respective entities at periodic intervals. (Refer Note 21)

**(c) Depreciation**

Depreciation on fixed assets has been provided on the written down value method at the rates prescribed under Schedule XIV of the Companies Act, 1956 except for the following which have been provided at rates higher than those prescribed under Schedule XIV 'Other Research Equipment' @ 40% and 'Air conditioner' @ 18.1%. Premium paid for Leasehold premises is amortised over the period of lease. Assets individually costing Rs. 5,000/- or less, are depreciated fully in the year of acquisition. Depreciation on additions/ deletions to fixed assets is calculated pro rata for the period of use of the assets. Facility Improvements have been depreciated over their estimated useful life.

**(d) Grant-in-aid**

Grant-in-aid is recognised as income in the Income and Expenditure Account to the extent of the amount utilised for expenses incurred. The portion of Grant-in-aid utilised for the purchase of fixed assets, is transferred to Reserve for Fixed Assets. An amount equivalent to depreciation charged during the year on fixed assets, purchased from the Grant-in-aid, is transferred from the Reserve for Fixed Assets to the Statement of Income and Expenditure and reduced from depreciation charge. The unutilised portion of the approved Grant-in-aid is recognised as a liability. (Refer Note 24)

**(e) Retirement Benefits****Provident Fund**

Company' contribution to Provident Fund is charged against revenue every year.

**Leave Encashment**

Liability for leave encashment has been provided for based on actuarial valuation, based on unavailed leave standing to the credit of the employees as at the year end.

**Gratuity**

The Company has entered into an agreement with the Life Insurance Corporation of India to administer its Gratuity Scheme.

These contributions are made subject to limits as specified under Income Tax Rules and charged to the Statement of Income & Expenditure.

**(f) Expenses incurred at Indian Institutes of Technology and other organisations**

Advances to Indian Institutes of Technology and other Organisations are either expensed in the Statement of Income and Expenditure or capitalised as fixed assets based on expense reports, audited by independent Accountants or certified by Heads of concerned organisations, received from the respective entities at periodic intervals.

**MEDIA LAB ASIA**

(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)

**NOTES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED MARCH 31, 2012****NOTES TO ACCOUNTS****(g) Foreign Currency Transactions**

The company follows the Accounting Standard (A.S.) 11 on "Accounting for the effects of changes in foreign exchange rates" issued by The Institute of Chartered Accountants of India. Foreign currency transactions are accounted at exchange rates prevailing on the transaction date. Gains and losses arising out of subsequent fluctuations are accounted for on actual payment/ realisation. Current Assets and Current Liabilities are translated at the rate of exchange prevailing at the year end and the resultant exchange gains or losses are recognised in the Statement of Income and Expenditure.

**(h) Research and Development Expenditure**

Research and Development expenditure includes all costs incurred by the Company, Indian Institutes of Technology and other organisations, for the conduct of Research and Development activities.

**(i) Provisions and Contingent Liabilities:**

Provisions are recognised when the Company has a legal and constructive obligation as a result of a past event, for which it is probable that a cash outflow will be required and a reliable estimate can be made of the amount of obligation.

Contingent Liabilities are disclosed when the Company has a possible obligation or a present obligation and it is probable that a cash outflow will not be required to settle the obligation.

**(j) Investments:**

(i) Long-Term investments are stated at cost. Provision for diminution is made to recognize a decline, other than temporary, in the value of investments, where applicable.

(ii) Current investments are stated at lower of cost and fair value.

**(k) Impairment of Assets:**

An asset is considered as impaired in accordance with Accounting Standard 28 on Impairment of assets when at the balance sheet date there are indications of impairment and the carrying amount of the assets, or where applicable the cash generating unit to which the assets belongs exceeds its recoverable amount ( i.e.the higher of the asset's net selling price and value in use). The carrying amount is reduced to the recoverable amount and the reduction is recognized as an impairment loss in the Statement of Income & Expenditure.

**MEDIA LAB ASIA**  
**(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)**

**Note 2 - Reserves and Surplus**

(Refer Notes 1(d) and 4)

Particulars	As at March 31, 2012		As at March 31, 2011	
	Rupees	Rupees	Rupees	Rupees
<b>Reserve for Fixed Assets</b>				
As per last Balance Sheet	82,876,827		31,594,151	
Add :				
Assets purchased during the year transferred from Unutilised grant-in-aid	10,644,479		66,751,270	
Less :				
Written down value of deletions during the year	-		67,785	
		93,521,306		98,277,636
Less:				
Transferred to Income and Expenditure Account for Depreciation for the year		10,414,056		15,400,809
<b>Total</b>		<b>83,107,250</b>		<b>82,876,827</b>

**MEDIA LAB ASIA**  
**(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)**

**Note 3 - Long Term Provisions**

Particulars	As at 31 March 2012	As at 31 March 2011
	Amt (in Rs.)	Amt (in Rs.)
<b>Provision for employee benefits</b>		
Leave Encashment (Refer Notes 1(e) and 28)	1,191,754	768,547
<b>Total</b>	<b>1,191,754</b>	<b>768,547</b>

**MEDIA LAB ASIA**  
**(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)**

**NOTE 4- Other Current Liabilities**

Particulars	As at 31 March 2012	As at 31 March 2011
	Amt (in Rs.)	Amt (in Rs.)
(a) Unutilised Grant-in-aid (Refer Notes 1(d) and 24)		
As per last Balance Sheet	440,718,839	327,077,486
Less:		
Amount refunded to the Government of India	-	1,562,338
Transferred to Reserve for Fixed Assets (Refer Note 2)	10,644,479	66,751,270
Add:		
Transferred from Reserve on deletion of Fixed Assets	-	67,785
Grant Recd. In the current year	321,571,550	347,702,080
Less:		
Transferred to Income and Expenditure Account (Refer Note 13)	363,095,185	165,814,904
	388,550,725	440,718,839
(b) Deposits		
- Earnest Money	25,000	-
- Security	43,000	43,000
(c) Other Current Liabilities (for expenses)	4,548,065	2,781,283
(d) Other Payables		
Tax Deducted at source	794,391	619,250
Salary and Reimbursements	1,111,504	464,649
Provident Fund and other Employee Deductions	547,556	389,603
Others	424,685	4,781,232
<b>Total</b>	<b>396,044,926</b>	<b>449,797,856</b>

**MEDIA LAB ASIA**  
**(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)**

**Note 5 - Short Term Provisions**

Particulars	As at 31 March 2012	As at 31 March 2011
	Amt (in Rs.)	Amt (in Rs.)
<b>Provision for employee benefits</b>		
Leave Encashment (Refer Notes 1(e) and 28)	397,251	313,200
<b>Total</b>	<b>397,251</b>	<b>313,200</b>

**MEDIA LAB ASIA**  
(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)

**Note 6 - Fixed Asset**  
(Refer Notes 1(b), (c), (d) and 23)

Amount in Rupees

DESCRIPTION OF ASSETS	GROSS BLOCK - AT COST				DEPRECIATION				NET BLOCK	
	As at April 1, 2011	Additions during the year	Deductions during the year	As at March 31, 2012	As at April 1, 2011	For the year	On Deductions during the year	As at March 31, 2012	As at March 31, 2012	As at March 31, 2011
(i) Tangible Assets Lease Hold Premises * Facility Improvements Data Processing Machines and Other Equipment Office Equipment Furniture and Fixture Vehicles( Motor Van & Car)	55,946,000	-	-	55,946,000	80,672	588,905	-	669,577	55,276,423	55,865,328
	9,253,940	-	-	9,253,940	8,652,167	376,390	-	9,028,557	225,383	601,773
	109,880,619	8,293,142	-	118,173,761	97,538,322	6,012,399	-	103,550,721	14,623,040	12,342,297
	16,644,489	1,210,274	-	17,854,763	9,305,748	1,342,630	-	10,648,378	7,206,385	7,338,741
	9,739,055	1,080,492	-	10,819,547	6,784,271	630,623	-	7,414,894	3,404,653	2,954,784
	3,273,756	-	-	3,273,756	2,405,224	257,771	-	2,662,995	610,761	868,532
TOTAL	204,737,859	10,583,908	-	215,321,767	124,766,404	9,208,718	-	133,975,122	81,346,645	79,971,455
Previous Year	139,909,565	65,325,988	497,694	204,737,859	110,871,532	14,324,781	429,909	124,766,404	79,971,455	
(ii) Intangible Assets  Software										
	10,529,952	60,571	-	10,590,523	7,624,579	1,205,338	-	8,829,917	1,760,606	2,905,373
TOTAL	10,529,952	60,571	-	10,590,523	7,624,579	1,205,338	-	8,829,917	1,760,606	2,905,373
Previous Year	9,104,670	1,425,282	-	10,529,952	6,548,551	1,076,028	-	7,624,579	2,905,373	
GRAND TOTAL	215,267,811	10,644,479	-	225,912,290	132,390,983	10,414,056	-	142,805,039	83,107,251	82,876,828
Previous Year	149,014,235	66,751,270	497,694	215,267,811	117,420,083	15,400,809	429,909	132,390,983	82,876,828	

\* Pro-rata amortisation from 10.02.2011 over lease period of 95 years.

**MEDIA LAB ASIA**  
**(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)**

**Note 7 - Non Current Investments**

Particulars	Nominal Value	No. of Shares	Amount as at	Amount as at
	Rs.		31.3.12	31.3.11
Trade Investment (at cost) (Refer Note 26) Investment in Shares of Agrocom Software Technologies Pvt Ltd	1	2,400	2,400	2,400
<b>Total</b>			<b>2,400</b>	<b>2,400</b>
Note: a) Aggregate value of Investments Unquoted - At Cost			2,400	2,400
b) There is no diminution in the value of Investment				



**MEDIA LAB ASIA****(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)****Note 8 - Long Term Loans & Advances**

Particulars	As at 31 March 2012	As at 31 March 2011
	Amt (in Rs.)	Amt (in Rs.)
<b>Security Deposits :</b> Unsecured considered Good	6,300,089	6,239,179
<b>Total</b>	<b>6,300,089</b>	<b>6,239,179</b>

**MEDIA LAB ASIA**  
**(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)**

**Note 9 - Other Non Current Assets**

Particulars	As at 31 March 2012	As at 31 March 2011
	Amt (in Rs.)	Amt (in Rs.)
Other bank balances:		
Fixed Deposits with maturity for more than 12 months.	310,803,831	353,320,254
<b>Total</b>	<b>310,803,831</b>	<b>353,320,254</b>

**MEDIA LAB ASIA**  
**(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)**

**Note 10 - Cash and Cash Equivalents**

Particulars	As at 31 March 2012	As at 31 March 2011
	Amt (in Rs.)	Amt (in Rs.)
<u>Cash and Cash Equivalents</u>		
Cash on hand	84,657	136,880
Balances In Current Accounts with Scheduled Banks	(673,741)	21,120,101
Balances In Savings Accounts with Scheduled Banks	213,353	208,549
<u>Other Bank Balances</u>		
Short Term Fixed Deposit (against bank guarantee)	936,827	481,958
<b>Total</b>	<b>561,096</b>	<b>21,947,488</b>

**MEDIA LAB ASIA**  
**(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)**

**Note 11 - Short Term Loans and Advances**

Particulars	As at 31 March 2012	As at 31 March 2011
	Amt (in Rs.)	Amt (in Rs.)
<b><u>Advances Recoverable in Cash or in Kind</u></b>		
<b><u>Unsecured considered Good</u></b>		
Indian Institutes of Technology and Other Organisations ( Refer Note 1(f) )	53,125,295	9,084,440
(A)	53,125,295	9,084,440
<b><u>Other Loans and Advances</u></b>		
Advance Income Tax (tds)	2,608,409	2,114,000
Prepaid expenses	606,949	2,241,441
Advances to employees	53,748	55,545
Others	427,593	720,091
(B)	3,696,699	5,131,077
<b>Total (A + B )</b>	<b>56,821,994</b>	<b>14,215,517</b>

**MEDIA LAB ASIA**  
**(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)**

**Note 12 - Other Current Assets**

Particulars	As at 31 March 2012	As at 31 March 2011
	Amt (in Rs.)	Amt (in Rs.)
Interest accrued on Bank Fixed Deposits	2,344,520	6,501,114
Grant Receivable from Government	20,800,000	48,653,650
<b>TOTAL</b>	<b>23,144,520</b>	<b>55,154,764</b>

**MEDIA LAB ASIA**  
**(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)**

**Note 13 - Grant-in-aid**

Particulars	31st March 2012	31st March 2011
	Amt (in Rs.)	Amt (in Rs.)
Transferred from Unutilised Grant-in-aid (Refer Notes 1(d), 4 and 24)	363,095,185	165,814,904
<b>Total</b>	<b>363,095,185</b>	<b>165,814,904</b>

**MEDIA LAB ASIA**  
**(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)**

**Note 14 - Other Income**

Particulars	31st March 2012	31st March 2011
	Amt (in Rs.)	Amt (in Rs.)
( a ) Hosting and maintenance of website	404,667	2,148,780
( b ) Interest Income		
- On Fixed deposits	13,649,312	2,230,687
- On Security deposits	14,619	31,874
- On Advance	1,662,667	105,039
( c ) Expense written back	53,658	3,498,025
<b>Total</b>	<b>15,784,923</b>	<b>8,014,405</b>

**MEDIA LAB ASIA**  
**(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)**

**Note -15 Research and Development Expenditure**

Particulars	31st March 2012	31st March 2011
	Amt (in Rs.)	Amt (in Rs.)
Expenses - Indian Institutes of Technology and Other Organisations ( Refer Note 1(f) )	17,423,424	24,769,187
Salaries, Incentives and bonus	268,555,145	98,957,546
Contribution to Provident Fund & Other Funds	1,632,465	906,367
Travel and Conveyance	582,463	38,734
Research Workshops and Conferences	27,637,629	329,146
Professional Fees	1,319,712	761,599
Communication	1,655,306	1,125,499
Maintenance	14,303,576	13,181,871
Trademark Registration	543,484	162,141
<b>TOTAL</b>	<b>333,653,204</b>	<b>140,232,090</b>



**MEDIA LAB ASIA****(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)****Note 16 - Employee Benefits Expense**

<b>Particulars</b>	<b>31st March 2012</b>	<b>31st March 2011</b>
	<b>Amt (in Rs.)</b>	<b>Amt (in Rs.)</b>
Salaries, Incentives and bonus	6,672,409	4,230,688
Contribution to Provident Fund & Other Funds	350,192	333,860
Staff Welfare	919,402	583,679
<b>TOTAL</b>	<b>7,942,003</b>	<b>5,148,227</b>

**MEDIA LAB ASIA**

(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)

**Note 17 - Administration and Other Expenses**

Particulars	31st March 2012	31st March 2011
	Amt (in Rs.)	Amt (in Rs.)
Electricity	1,415,007	1,485,283
Rent	-	716,687
Rates and Taxes	585,472	585,472
Repairs and Maintenance		
- Building	-	-
- Others	4,067,026	2,698,465
Insurance	109,838	123,333
Office Expenses	3,352,585	2,673,434
Travel and Conveyance	14,828,830	6,819,637
Legal and Professional Fees	3,160,476	1,952,527
Auditors' Remuneration *	129,333	110,300
Loss on sale of assets	-	50,785
Advertising and Conferences	304,098	2,390,465
Recruitment	5,247,018	5,523,842
Communication	1,533,457	1,653,644
Miscellaneous	2,551,761	1,665,118
<b>TOTAL</b>	<b>37,284,901</b>	<b>28,448,992</b>

*Auditors' Remuneration	31st March 2012	31st March 2011
	Amt (in Rs.)	Amt (in Rs.)
Payment to Auditors (including service tax)		
a) Auditor	112,360	110,300
b) For Other Services	11,030	-
c) Reimbursement of Expenses	5,943	-
<b>Total</b>	<b>129,333</b>	<b>110,300</b>

**MEDIA LAB ASIA**

(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)

**NOTES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED MARCH 31, 2012****NOTES TO ACCOUNTS**

- 18 The Company was incorporated on September 20, 2001 as a company limited by guarantee and not having a share capital and was granted a license under Section 25 of the Companies Act, 1956. The Company had in its 17th Board meeting held on May 5, 2009 created a separate autonomous division called "National e- Governance Division (NeGD)" for undertaking funded projects/responsibilities in the area of e-Governance. As per the approval of the Honourable MCIT, the division has commenced its operations on 8 June, 2009. The accounts of NeGD for the period upto 31st March 2012 have been consolidated with the financial statements of the Company. The Company had in its 18th Board meeting held on December 22, 2009 created a separate division called "IT Research Academy (ITRA)" for executing ITRA programme. The accounts of ITRA for the period upto 31st March 2012 have been consolidated with the financial statements of the Company.
- 19 Capital and Other Commitments for the year is Rs NIL; (Previous year Rs. NIL).
- 20 The Company has been notified as an institution for charitable purpose under Section 10(23)(C)(iv) of the Income Tax Act, 1961 vide order No.CCIT/MUM/10(23)(C) (iv)/66/2007-08 97 dated 31.10.2007 issued by Ministry of Finance, Department of Revenue, Chief Commissioner of Income Tax, Mumbai from A. Y. 2005-2006 onwards until withdrawn and is therefore entitled to claim exemption from tax, subject to fulfilment of the prescribed conditions.  
The Company has also obtained registration under Section 12A of the Income Tax Act, 1961 vide letter No. DIT(E)/12A/36786/2002-2003 dated October 7, 2002 and is therefore entitled to claim exemption from tax under Section 11 of this Act.
- 21 The Company has received audited statement of expenses and audited details of fixed assets from Banaras Hindu University - Varanasi and IIT Kharagpur. The statement of expenses and details of fixed assets in case of International Institute of Information Technology (IIIT) Hyderabad, State Education Department - Mizoram, Centre for Development of Advanced Computing (CDAC) - Thiruvananthapuram, CDAC Pune, Rehabilitation Council of India - New Delhi, National Association for the Blind, New Delhi and IIT Kanpur have been duly certified by the authorised personnel of these Institutions.

The financial statements have been prepared on the basis of such statement of expenses and details of fixed assets.

Revised audited statement of expenses have been received from Digital Empowerment Foundation for the Financial Years 2009-10 and 2010-11, and for the year 2011-12, after the Company's statutory auditor's observation regarding incorrect classification of capital expenditure. Approval from Department of Electronics and Information Technology, for re-appropriation of the Project Budget has been received by Media Lab Asia vide administrative approval no.1(12)/2008-EA dated September 18, 2012. Media Lab Asia will incorporate the re-appropriation as authorized by DeitY in the books of accounts for the year 2012-13.

22 Expenditure in Foreign Currency	Year ended March 31, 2012 Rupees	Year ended March 31, 2011 Rupees
Trademark Registration Fees	-	-
Other Expenses (Salary, Travelling, Communication and Other Costs)	-	-
<b>Total</b>	<b>-</b>	<b>-</b>

Note: Expenditure in foreign currency, if any, incurred by the Indian Institutes of Technology and certain organisations out of the funds advanced to them is not readily available and accordingly the same has not been included above.

- 23 Assets purchased out of the Grant-in-aid without the prior sanction of the Government of India, cannot be disposed off, encumbered or utilised for purposes other than those for which the grant has been sanctioned. Should the Company cease to exist, such assets shall revert to the Government of India who will be free to sell or otherwise dispose off the assets.

**MEDIA LAB ASIA**

(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)

**NOTES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED MARCH 31, 2012****NOTES TO ACCOUNTS**

- 24 A restructured full scope programme of Media Lab Asia, has been accorded approval by the Central Government for a period of nine years w.e.f. May 1, 2003. The Government of India has provided a Grant-in-aid of Rs.8,30,00,000/- for the year 2011-12, out of which an amount of Rs.6,22,00,000/- (previous year 10,00,00,000/-) has been received upto March 31, 2012 and the balance amount of Rs.2,08,00,000/- has been received in April 2012 which has been recognised as Grant-in-aid Receivable. Any portion of the Grant-in-aid which is not ultimately required for the approved purposes shall be duly surrendered to the Government of India.

The Department of Electronics and Information Technology, Government of India has approved a total grant of Rs.148.83 Crores over a period of five years for implementation of the Project entitled "IT Research Academy (ITRA)" by Media Lab Asia. The IT Research Academy Division has received grant in aid of Rs. Nil during the FY 2011-12 (previous year Rs.14.33 Crores).

The Department of Electronics and Information Technology, Government of India has provided a grant-in-aid of Rs.14,60,04,000/- (previous year Rs.Nil) for setting up of the NeGD for the year 2011-12. The Department of Electronics and Information Technology, Government of India has also provided grant in aid of Rs.7,53,95,426/- (previous year Rs. Nil) towards project setting up of Capacity Building Management Cell (CBMC) in NeGD and Recruitment of SeMT in the financial year 2011-12. The division has received grant in aid of Rs.40,00,000/- towards State Service Delivery Gateway (SSDG), 16,00,000/- towards creation of Theme Song for NeGP and Rs.5,64,500/- towards Electronic Service Design & manufacturing (ESDM). An amount of Rs.1,10,07,624/- being interest received on grant in aid deposits (previous year Rs.1,09,48,430/-) has been treated as grant in aid support for the year 2011-12

- 25 Employee cost includes remuneration paid to Managing Director Rs.Nil during the financial year 2011-12 (Previous year Rs.Nil).
- 26 The Company has entered into MOU with Agrocom Software Technologies Pvt. Ltd. dated 17th September, 2008 for use of Aqua Software license developed by IIT, Bombay. As per the said MOU, the company is entitled to receive royalty at the rate of 0.6% of revenue income from the use of the technology for a period of three financial years commencing from April 2008 to March 2011.
- As per the said MOU, the company has received 2400 shares (Face Value of Rs.1 per share) of Agrocom Software Technologies Private Limited. The company has received royalty of Rs. Nil (Previous year Rs.Nil) for the period ended 31st March,2012.

- 27 The Company has undertaken the project entitled "Development of a set of alternative ICT models based on a study and analysis of the major ICT initiatives in agriculture in India to meet the information need of the Indian farmers" to be operated under consortium mode under the Component 4 of the National Agricultural Innovation Project (NAIP). There are four Consortium Partners viz, Media Lab Asia (MLAsia), (Consortium Leader); National Institute of Rural Development (NIRD), Hyderabad, Acharya N G Ranga Agriculture University (ANGRAU), Hyderabad and Mudra Institute of Communication (MICA), Ahmedabad (Consortium Partners).The project has been extended till June 2013.

Out of the total budget of Rs. 273.83 lakh for the project, Media Lab Asia's share amounts to Rs. 121.07 lakhs. An amount of Rs. 12.96 lakhs (Previous year Rs.42.71 lakhs ) have been received during the year 2011-12. An amount of Rs.17.24 lakhs has been spent towards the project during the year and balance of Rs.37.29 lakhs have been refunded to NAIP. An amount of Rs.Nil (previous year Rs.41.57 lakhs) is shown under other current liabilities.

**28 EMPLOYEE BENEFITS**

Consequent to the adoption of Accounting Standard on Employee Benefits (AS15) (Revised 2005) issued by the Institute of Chartered Accountants of India, the following disclosures have been made as required by the Standard:

**MEDIA LAB ASIA**

(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)

**NOTES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED MARCH 31, 2012****NOTES TO ACCOUNTS****DEFINED BENEFIT PLANS****A. CONTRIBUTION TO GRATUITY FUND**

The details of the Company's Gratuity Fund for its employees are given below which have been certified by Life Insurance Corporation of India as on 31<sup>st</sup> March, 2012 and relied upon by the auditors

i	Valuation Method	Projected Unit Credit Method
ii	Actuarial Assumptions	
	Mortality Rate	LIC(1994-96) ultimate
	Withdrawal Rate	1% to 3% depending on age
	Discount Rate	8%
	Salary Escalation	5.50%
iii	Results of Valuation	
	a.PV of Past Service Benefit	1,580,181
	b.Current Service Cost	263,646
	c.Total Service Gratuity	13,252,566
	d. Accrued Gratuity	2,456,940

**B. Leave Encashment**

Payments to and provision for employees includes Rs.5,22,786 (P.Y. Rs.3,35,693) towards provision made as per Actuarial Valuation in respect of accumulated leave encashment debited to the Statement of Income and Expenditure. Total Liability as per Actuarial Valuation and as reflected in Company's Accounts is Rs. 15,89,005 ( P.Y. Rs.10,81,747)The company has not funded the liability.

**Defined Contribution Plans**

The Company has recognised Rs.19,82,657 (P.Y. Rs.12,40,227) towards Provident Fund / Pension Fund .

- 29 Information with regard to matters specified in paragraphs 3, 4, 4-A, 4-C and 4-D of part II Schedule VI to the Companies Act, 1956, other than those disclosed in the Financial Statements are either nil or not applicable to the Company for the year ended March 31, 2012.
- 30 Micro & Small Enterprises Dues  
The Company has not received any intimation from suppliers regarding their status under Micro, Small and Medium Enterprises Development Act, 2006 and hence disclosures regarding :
- a) Amount due and outstanding to suppliers as at the end of the accounting year b) Interest paid during the year c) Interest payable at the end of the accounting year and d) Interest accrued and unpaid at the end of the accounting year have not been given.  
The Company is making efforts to get the confirmations from the suppliers as regards their status under the Act.
- 31 The Company is a Small and Medium Sized Company (SMC) as defined in the General Instructions in respect of Accounting Standards notified under the Companies Act, 1956. Accordingly, the Company has complied with the Accounting Standards as applicable to a Small and Medium Sized Company
- 32 Party accounts, in debit/credit, are subject to confirmation, reconciliation and consequential adjustments thereof, if any.

**MEDIA LAB ASIA**

(A Company Limited by Guarantee under Section 25 of the Companies Act, 1956)

**NOTES FORMING PART OF THE ACCOUNTS FOR THE YEAR ENDED MARCH 31, 2012**

**NOTES TO ACCOUNTS**

- 33 The financial statements for the year ended March 31, 2011 had been prepared as per the then applicable pre-revised Schedule VI to the Companies Act, 1956. Consequent to the notification of Revised Schedule VI under the Companies Act, 1956, the financial statements for the year ended March 31, 2012 are prepared as per Revised Schedule VI. Accordingly, the previous year's figures have also been reclassified to conform to this year's classification. The adoption of Revised Schedule VI for previous year's figures does not impact recognition and measurement principles followed for preparation of financial statements.
- 34 The Company has obtained permission under Section 166(1) of the Companies Act, 1956 for extension of the time for conducting its Annual General Meeting, upto December 31, 2012.

Signatures to Note No. 1 to 34

**For SORAB S. ENGINEER & CO.**

Chartered Accountants

Firm Registration Number 110417W

**CA. R.N.Anklesaria**

Partner

Membership No. 34461

Place : Mumbai

Date : November 27, 2012

**For and on behalf of the Board of Directors**

**Managing Director & CEO**

**Director**

Place : New Delhi

Date : November 27, 2012