

आईटीआई लिमिटेड की गृह पत्रिका

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## ITI LIMITED

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Total Solutions for Global Communications

## DoT and ITI hold Conference on Development of Smart Infrastructure

A two-day Conference on Development of Smart Infrastructure (a collaborative effort of DoT and its PSUs) was held jointly by Department of Telecommunications (DoT) and ITI Limited from 8<sup>th</sup> to 9<sup>th</sup> August, 2016 at Convention Centre, SCOPE Complex in New Delhi. ITI Ltd, the country's first telecom equipment manufacturing PSU, under the Government's 'Digital India' program has taken initiative in organizing this conference on development of smart infrastructure with a focus on Internet of Things (IoT) / Machine to Machine (M2M) Communication. The organizations of DoT are engaged in various activities towards development of Smart Infrastructure for the country in line with Government of India guidelines. The conference aimed at garnering synergy among all the PSUs/ organizations under DoT to take advantage of the strengths of each one of them to achieve phenomenal growth in this field and to enrich their business potentials from the growing market. In addition, this will pave the way in creating end-to-end solution and applications in development of smart cities and the organizations of DoT will leverage the strength of private sector to participate in smart infrastructure creation.



Shri J S Deepak, IAS, Telecom Secretary and Chairman (Telecom Commission) inaugurated the conference and expressed the need for synergy among PSU's and advised to use their strengths together complementing each other, IoT / M2M applications are relevant in development of smart cities. He emphasized that GoI, 2015 brought out "National Telecom M2M Road Map," will give all policies, standards, etc., for M2M proliferation.

Shri N K Yadav, Member (Services) in his key note address, advised the PSU's to iron out the inefficiencies due to the changed scenario aftermath to liberalization, outlined the strengths of ITI, TCIL, BSNL/MTNL and others directed all PSU's to put forth combined efforts for future success. He informed that smart city mission will be operated by GoI with financial support of Rs 48,000 Crore and suggested the PSU's to explore extensively both at the Central and State level.

Shri P K Gupta, CMD, ITI Ltd in his speech depicted the achievement of ITI and the future business potentials in IoT sector. Shri N Sivasailam, Additional Secretary, Telecom and Shri R M Agarwal, DDG-SU emphasized the need and benefits of Synergy amongst PSU's in Smart Infrastructure Building.

Digital India - ITI Ltd is all set to commit towards providing Smart Solutions to the digital economy of India. During the conference, as a milestone, ITI has signed the teaming agreements with IoT / M2M technology providers such as Trans Data Management, Cardiac Design Labs, Yuktix Technology, Oasys Cybernetics, etc., for exploring business opportunities in the







development of Smart Infrastructure. Topics with respect to IoT/ M2M, Embedded SIM and Digital Identity, IoT Enabled Networking, Smart Energy, Healthcare, Smart Environment, Smart Infra Manufacturing etc., were discussed in the conference. Indian digital economy has seen lot of transformations, the country moving towards digitalization and IoT is a recent phenomenon. The internet of things (IoT) is the network of physical devices, vehicles, buildings and other items embedded with electronics, software, sensors, actuators and network connectivity that enable these objects to collect and exchange data.



Smart City - The two major efforts taken by Government of India for 'Smart Cities' and 'Digital India Program' will lead to rapid growth of IoT industry. Under the Smart Cities project, the government plans to turn

100 selected cities into smart cities and IoT will play a vital role in accomplishing the smart cities objective. Smart cities will be a city with all smart facilities like smart transportation, smart water management, smart energy management and so forth, which will lead to quick expansion of IoT sector. The GoI initiative of 'Digital India Program' with a mission of 'transforming India into digital empowered society and knowledge economy' has been launched with the aim to take India towards the era of digitalization and to ensure that all Government services are available to the citizens electronically. Smart cities will play a vital role in achieving this representing a



big opportunity for the IoT industry to grow and prosper. Internet of Things (IoT) can bring a real revolution, empowering millions in rural areas and connecting "humans" to the mainstream. Machine to Machine (M2M) is a technology that enables networked devices to exchange information and perform actions without the manual assistance of humans. A synergy between PSUs under DoT connecting rural India to the IoT will provide the much-needed bridge between urban and rural India by utilizing these latest technologies, which in turn will benefit the nation's economy, society, environment and global needs.

## ITI Launches Digital Wallet Product



ITI Ltd, Bangalore plant has launched Digital Wallet product at its own Data centre, Bangalore on July 4, 2016. The product was launched by Shri K Alagesan, Director (Production) in the presence of Shri J Premchand, AGM-BGP, Unit head, senior officers of ITI and Shri Ramanbabu, Senior Vice President from Transaction Analysts. Shri K Alagesan, Director (Production)

addressed the gathering, appealed to all the officials of ITI to use the digital wallet facility and promote the product. He emphasized that 'through the use of Digital wallet, in future all the transactions will be cashless by use of a smart phone.'

The digital wallet service offered as Software as a Service (SaaS) and this augments Government of India's Digital India initiative. ITI has collaborated with Transaction Analysts to host the digital wallet application. A MoU was signed between ITI and M/s Transaction Analysts. A Digital Wallet refers to an electronic device that allows an individual to make electronic commerce transactions. Tag Wallet is an application run on mobile, acts as a payment gateway and can load money using online banking, IMPS (Immediate Payment Service). A digital wallet account almost works like any bank account, where the money can be transacted to any bank account, individual wallet account from any debit/credit card account in a few steps through IMPS feature. Increasingly, digital wallets are being made not just for basic financial transactions but to also authenticate the holder's credentials. The credentials can be passed to a merchant's terminal wirelessly via near field communication (NFC).

The digital wallet service is an alternative to cash transactions and available as digital cash on mobile/ tablet/ kiosk/ PC to make transactions. This can include purchasing items on-line with a computer or using a smart phone to purchase something at a store. An individual's bank account can also be linked to the digital wallet. A secure digital wallet enables to manage money, recharge, Utility payments like Telephone bills, electricity bills, flight tickets, bus tickets, cab services, movie tickets, pay various Merchants and many more services. One can also have their health card, driving license, loyalty card and other ID documents stored on the phone. The advantage of digital wallet service, in addition to the ease of use, is its relatively lower service charges than credit/debit cards and can be availed from anywhere and anytime. Digital wallet systems enable the widespread use of digital wallet transactions among various retail vendors in the form of mobile payments systems and digital wallet applications.



## ADG TAC C and DDG-PMO-DCN visit ITI Bangalore Plant

**M**aj Gen Rajeev Sabherwal, ADG TAC C and BRIG Sanjeev Sharma, DDG-PMO-DCN from Corps Signals, Indian Army visited ITI Bangalore plant on July 15, 2016. They were welcomed by Shri J Premchand, AGM-BGP, Unit head, Shri L C Redappa Chetty, AGM-R&D and senior officers. During the visit, they explored the manufacturing infrastructure capabilities, technological capabilities of the plant, Defence Secrecy, PCB Assembly, R&D of Bangalore plant, held discussions with Unit head and senior officers. They reviewed the status and progress of TESD (Terminal End Secrecy Device) project, which is a Defence project.



## DDG (SU), DoT visits ITI Bangalore

**S**hri R M Agarwal, DDG (SU), DoT, Government Director visited ITI, Bangalore from June 27 to 28, 2016. A preliminary meeting in connection with Revival plan of ITI was held on June 27, 2016 at Corporate office. Shri R M Agarwal, Government Director, Shri Saday Krishna Kanoria, Independent Director, Shri R K Kaushik, Director PSU-II, DoT, Shri P K Gupta, CMD and Functional Directors and senior officers attended the meeting. During the meeting initiation of new projects, technical specifications and evaluation of these projects, road maps for implementing the new projects under revival plan of ITI for 2016-17 and 2017-18 were discussed. Feasibility reports for initiation and implementation of the new projects have



been submitted to the Board for approval under the revival plan of ITI's futuristic growth and turnaround of the Company.

Shri R M Agarwal, DDG (SU), Director Government of India and Shri R K Kaushik, Director, PSU-II, DoT visited ITI Bangalore plant on June 28, 2016. They assessed the manufacturing infrastructure, capabilities of the plant, R&D and held discussions with Shri S Gopu, Director (HR), Shri K Alagesan, Director (Production), Shri J Premchand, AGM-BGP, Unit head, Shri L C Redappa Chetty, AGM-R&D and senior officers. Status and progress of ongoing projects of Bangalore plant were reviewed to explore faster avenues to focus on futuristic growth path for revival of the Company.





## ITI Palakkad bags Prize for Pollution Control and Environment Protection

Palakkad plant has bagged third prize for 'Substantial efforts in Pollution Control and Initiatives in Environment Protection' in the category of Engineering & Electronics Industries of Kerala State constituted by Kerala Pollution and Control Board, Government of Kerala for the year 2015. Shri P N Gopalakrishnan, Environment Officer and Shri T Jaafar, Plant-in-charge (PCB) received a Merit certificate and a trophy from Hon'ble MP Smt P K Sreemathy on behalf of ITI Palakkad at a function organized on the World Environment Day, June 5, 2016 at Kannur, Kerala.



ITI celebrated the nation's 70<sup>th</sup> Independence Day on August 15, 2016 with fervent zeal and patriotism at Corporate office in Bangalore. Shri P K Gupta, CMD, ITI hoisted the National Flag, which was followed with National Anthem, salute and inspecting Guard of Honor.

Commemorating the importance of this day, CMD also shared the financial performance of the Company. He stated that gross turnover has reached Rs 1253 crore during the year 2015-16 which is highest in the last five years and also more than double when compared to the turnover of previous year. ITI has achieved a profit of Rs 251 Crore for the fiscal year 2015-16 with the grants from Government of India. He further highlighted that, ITI has been able to achieve this boost in the turnover on account of diversified projects being executed by our manufacturing plants, Regional Offices (ROs), Network System Units (NSU), Defense and GSM projects groups. The first quarter turnover of the company for the year 2016-17 has reached up to Rs 342 Crore as against Rs 132 Crore corresponding to the previous year 2015-16. The Reservation quota policy has been renewed for next 2 years. The company is on the revival path and stressed everyone to work hard.



CMD further indicated that on the growth plan, ITI has started competing in open tenders, won the tender for BBNL for GPON with C-DoT technology and has received an order worth Rs 206 Crore. ITI also has won two more tenders: ITI is L1 in NMS for Broadband tender worth Rs 40 Crore and L1 in AN RAX tender of BSNL expecting an order worth Rs 20 Crore. ITI has addressed the mega tender of ASCON phase IV expected to be worth Rs 5000 Crore project, the Technical evaluation is underway and hopeful to get the order. The Company has an order book position worth Rs 2826 Crore. In the diversified business field making use of CAPEX received from DoT, ITI has started implementing various projects. ITI is focusing on manufacturing of Solar panels, GPON, OFC, PLB HDPE, 3-D Printing, Li-Ion Batteries, Charge Controllers, TESD, Encryption projects like IP Encryptor, ruggedized secrecy for PCM MUX, Giga Bit Encryptor, Component Screening, Smart

Cards, PCB plant upgradation, Sub assembly for PSLV project of Vikram Sarabhai Space Centre (VSSC), Wireless products like Low Power BTS, Wi-Fi and LTE, etc. Also identified many more products for manufacturing in our refurbished infra and the list includes Smart Jammers, Optical Fiber manufacturing, Point to Multipoint Microwave, Anti Intrusion System, Smart Energy Meter, Antenna, WiFi routers, etc.

Under major initiatives of Government of India like 'Digital India', 'Make in India', 'Skill Development', ITI has ventured into Digital wallet services, providing Adhaar authentication services by playing the role of Authentication User Service, digitalization of important certificates, Id cards of major Institutions, Government agencies with tamper-proof digital solutions. ITI has been appointed as one of the four Nodal Agencies by Government of Uttarkhand to undertake various IT projects like setting Wi-Fi infrastructure, video conferencing infrastructure and other e-Governance related services. ITI is focusing on IoT and Smart City projects to enhance the revenue streams in the coming days, signed agreements with the potential partners for exploring opportunities in the Smart Infrastructure business. He exhorted each and everyone towards working hard to achieve complete turnaround of the company in the near future towards bringing back the glory of the Company.



At Bangalore plant, 70<sup>th</sup> Independence Day was celebrated on August 15, 2016 by unfurling the national tricolor flag by Shri J Premchand, AGM-BGP, Unit Head in the presence of senior officers, office bearers of ITI employees union, Officers association, employees and school children in the factory premises at the plant. Unit head addressed the gathering on the occasion and distributed corporate cash awards to the employees.

At Mankapur plant, nation's 70<sup>th</sup> Independence Day was celebrated by hoisting the national tricolor flag by Shri A K Bajoria, DGM-MKP, Unit Head on August 15, 2016 in the presence of senior officers, office bearers of ITI Karmachari Sangh, Officers Association and employees in the factory premises at Administrative building ground. Unit head addressed the gathering on the occasion and distributed corporate cash awards and best worker awards to the employees.



At Naini plant Nation's 70<sup>th</sup> Independence day was celebrated with great fervor and enthusiasm on August 15, 2016. Shri Pradeep Pande, GM-N, Unit head hoisted the national flag followed by national anthem in the presence of senior officers, representatives of officers association and Mazadoor Sangh, employees and their family members. Corporate award was presented to Shri P K Shukla for excellent contribution for getting IEC certification of Solar Panel.

On Nation's 70<sup>th</sup> Independence Day Shri R Krishnaprasad, AGM-RB, Unit head hoisted the tricolor national flag on August 15, 2016 at Raebareli plant, in the presence of senior officers, employees and delivered the speech.



At Palakkad plant, 70<sup>th</sup> Independence Day was celebrated by hoisting the tricolor national



flag on August 15, 2016 by Shri T N S Raghavan, AGM-PKD, Unit Head in the presence of senior officers and employees and addressed the gathering. He distributed the Corporate Award and Commendation Certificates to the employees. As part of Independence celebrations, a team led by Shri T N S Raghavan, Unit head, Shri Jimmy J Nalappat, CMR-HR, Shri R Rishikesan, President Sports, Cultural and Recreation Club (SCRC), Shri P Venugopal, Secretary (SCRC) and employees with their families visited the Old Age Home at Kodumbu, Palakkad. SCRC team members donated a Fridge to the Old Age Home shared some of the best moments with the inmates and entertained them.

### Air Marshal visits ITI Bangalore



Air Marshal P P Khandekar, the Air Officer in-charge of Maintenance (AOM) visited ITI Ltd, Bangalore on August 26, 2016. He was received by Shri J Premchand, AGM-BGP, Unit head and senior officers at Bangalore plant. As part of a scheduled visit, he discussed with ITI top management, Unit head and senior officers and was taken around the facilities of Bangalore plant such as SMT line, Defence production, R&D to explore the infrastructure and technical capabilities of the facilities of the plant.

Shri P K Gupta, CMD and functional directors welcomed him at ITI Corporate Office. He held a meeting with CMD, interacted and discussed about the telecom equipments manufactured by ITI used for large number of applications in Indian Air Force. A presentation on the telecom equipments manufactured and its technological capabilities of ITI were made to the visiting dignitary.



### ITI celebrates 'Sadbhavana Diwas 2016'



Sadbhavana Diwas 2016, was celebrated in ITI Ltd on August 20, 2016. Shri P K Gupta, CMD, ITI read out the pledge promoting national integration, peace and communal harmony at Corporate Office, Bangalore.



## ORDAQA officials visit ITI Mankapur Plant

The Office of the Regional Director, AQA (Aircraft) officials - Shri R P Agarwal, Regional Director, DGAQA, Shri Mohd. Waseem, CRI-DGAQA and Shri Karan Singh, DGM-QC from HAL, Korwa visited Mankapur plant on July 26, 2016 for Quality Audit in connection with contract manufacturing PO of HAL. The team of officials were welcomed by Shri A K Bajoria, Unit head and senior officers. The team members from ORDAQA, HAL were taken around the manufacturing infrastructure, the shop floors of the Mankapur plant. They also, held meeting and discussed with the Unit head and senior officers. ORDAQA officials have recognized the excellent Infrastructure facilities of Mankapur plant and with the Quality Audit by the Directorate General of Aeronautical Quality Assurance (DGAQA), Mankapur plant has bagged a Purchase order for jobbing work of PCB (Printed Circuit Board) population from HAL Korwa for contract manufacturing. DGAQA is an organization under Department of Defence Production in the Ministry of Defence. DGAQA is the regulatory authority for quality assurance, certification, ensures documentation, codification and standardization of action for minimizing the variety of components/equipment and materials. The quality audit is conducted by DGAQA to assess the quality system and manufacturing infrastructure of vendors for certification, which undertake contract manufacturing for HAL. DGAQA has also certified Mankapur plant for further jobbing work orders of HAL under contract manufacturing for future orders.



## ITI Palakkad successfully completes NPR project



ITI Palakkad has successfully completed the NPR (National Population Registry) project awarded by the Office of the Registrar General & Census Commissioner (O/o RGI), India. As part of NPR, the plant has completed data entry for a population of 18 Crore, biometric enrolment for population of 7 Crore and with this, the Unique Identification Authority of India (UIDAI) has generated 4.74 Crore of Aadhaar.

The Office of the Registrar General & Census Commissioner (O/o RGI), India has decided to seed the Aadhaar number also in NPR database and the responsibility of implementation is entrusted to the State Governments. NPR database is the most comprehensive database and for updating the NPR Database, Kerala State Government has awarded this NPR Aadhaar work to ITI Palakkad for seeding of Aadhaar number and Data verification in NPR database for a total population of 3.4 Crore. The scope of the project is to carry out data entry of Aadhaar number, Mobile number and Ration card number, corrections in NPR data field from NPR booklets enumerated and prepared by State as well as uploading of final database to NIC central server. The project value is worth Rs 10.85 Crore and the work is in progress at 71 data centres set up at Tehsil level in all districts of Kerala and expected to complete shortly.



## In-House Training program for ISO 9001:2015 and ISO 14001:2015 at Palakkad



A two-day training programme was organized on ISO 9001:2015 (QMS) and ISO 14001:2015 (EMS) for Internal Auditors at Palakkad plant from 26<sup>th</sup> to 27<sup>th</sup> August 2016 and around 40 participants including three from Bangalore plant attended the programme. The training programme was conducted under the guidance of expert Dr T Gururaja Rao, Ex-ITI Official. As per the ISO 9001 Standards, it is mandatory for all the organizations to transit from ISO 9001:2008 to ISO 9001:2015 (QMS) and ISO 14001:2015 (EMS). Internal auditing on quality systems was held in Palakkad plant to ensure the quality in all the processes, procedures, products and services of the plant. The training included transition procedure, ISO 9001:2015 Internal Audit process focused on the introduction of new terminology, restructuring some of the information, an emphasis on risk-based thinking to enhance the application of the process approach, improved applicability for services and increased leadership requirements. ISO 9001 is based on the plan-do-check-act methodology and provides a process-oriented approach to documenting and reviewing the structure, responsibilities, and procedures required to achieve effective quality management in an organization.

ISO 9001 is the international standard that specifies requirements for a quality management system (QMS). The new version has brought right up to date in response to vast changes in technology, business diversity and global commerce, promises to be the most effective, user-friendly and relevant quality management system. ISO 14001:2015 is an international standard provides practical



tool for companies and organizations of all kinds looking to manage their environmental responsibilities. ISO 14001:2004 specifies requirements for an environmental management system (EMS) to enable an organization to develop and implement policies and objectives, which take into account legal requirements and other requirements to which the organization subscribes, and information about significant environmental aspects. It applies to those environmental aspects that the organization identifies as those which it can control and which it can influence. It does not itself state specific environmental performance criteria. ISO 14001:2004 is applicable to any organization that wishes to establish, implement, maintain and improve an environmental management system to assure itself of conformity with its stated environmental policy.

## DDG (SU) visits ITI Raebareli plant

Shri R M Agarwal, DDG-SU (DoT) and Shri R K Kaushik, Director (PSU-II) DoT visited Raebareli plant on July 7, 2016. They held a meeting with Shri K Alagesan, Director (Production), Shri R Krishnaprasad, AGM-RB, Unit head and senior officers, reviewed the progress of the ongoing projects of Raebareli plant and briefed about the importance of the Revival Plan of the projects. DDG (SU)



emphasized 'that the plant should gear up to meet the dead line to supply the GPON against BBNL order. He stressed timely placement of Purchase orders for all the Components required for GPON and equipments required for HDPE Pipe expansion, OFC line, Li-Ion Battery etc under CAPEX head.'

### Member (Services), DoT visits ITI Raebareli plant



Shri N K Yadav, Member (Services) and Shri R M Agarwal, DDG (SU), DoT, visited ITI Raebareli plant on August 13, 2016. Shri N K Yadav and Shri R M Agarwal held a meeting with Unit Heads of ITI plants Mankapur, Naini and Raebareli along with Management Officers of ITI Raebareli and Dr. Jyoti Kaul, AGM-Marketing from Corporate office on 13<sup>th</sup> August, 2016. Shri M Pant, DDG, Shri V P Singh from Telecom Enforcement, Resource and Monitoring (TERM) Cells and Shri Praveen Mathur, Director, Shri Ravindra Amardar, Group Leader from CDOT were also present.



The review of ongoing projects of Northern plants of ITI such as Raebareli, Mankapur and Naini were done as per the revival plan. Presentations on manufacturing infrastructure and the status of ongoing projects of the plants were made to the visiting dignitaries. During the visit, Shri N K Yadav and Shri R M Agarwal were taken around SMT line, assembly of GPON cards and the infrastructure of Raebareli plant. Member (Services) emphasized 'the timely supply of GPON against BBNL order as per scheduled target date. ITI has to gear up to meet the timely supply as per scheduled target even though the target is very stringent.'

Shri N K Yadav, Member (Services), DoT plants a sapling at ITI Raebareli Guest house on August 13, 2016.



### ISO Certification for Palakkad plant



At Palakkad plant 2<sup>nd</sup> Surveillance audit of ISO 9001:2008 standard was conducted on July 13, 2016 by IRQS (Indian Register Quality System) lead auditors Shri Mohandas N and Shri Ramesh working in IRCLASS, Kochi. Shri Mohandas N recommended the continuation of certificate for ISO 9001:2008 for the plant as there were no non-conformities and suggested it is necessary that in keeping with the progress in the ISO certification, the plant





should go for ISO 9001:2015 standards. The purpose of the certificate to ITI Palakkad Plant is to maintain excellent management practices with the aim of ensuring that the organization can deliver the products or services that meet the client's quality requirements. The ISO certification will facilitate international exchange of goods and services. IRQS, Kochi is an ISO certification body in India providing independent

management system certifications to various manufacturing industries, construction, mining, power, banking, healthcare, hospitality, IT and service by means of independent third party audits with the help of qualified and competent resources. IRQS offers a wide range of quality standards certifications to its clients enabling them to integrate one or more services to improve value and reduce redundant auditing.

### ITI Palakkad bags First Prize for Vegetable Development

Palakkad plant has bagged first prize in the group of 'Best Public Institution under Vegetable Development Programme 2015-16' for maintaining the best Organic Vegetable Farm. An award consisting of a trophy, certificate and a cash prize was received by Shri R Rishikesan, CMR-CC&P, President (SCRC), Shri P Venugopal, Secretary (SCRC) and other team members of SCRC from Shri M D Thilakan, Principal Agricultural Officer, Palakkad, Government of Kerala on July 19, 2016. An Organic vegetable farm is maintained by Sports, Cultural and Recreation Club (SCRC) of the plant.



### हिंदी सलाहकार समिति की बैठक 27 अगस्त, 2016 को बेंगलूरु में संपन्न



माननीय संचार राज्य मंत्री श्री मनोज सिन्हा की अध्यक्षता में दूरसंचार विभाग की नवगठित हिंदी सलाहकार समिति की प्रथम बैठक होटल शंगरीला, पैलेस रोड, वसंत नगर, बेंगलूरु में दिनांक 27.08.2016 को संपन्न हुई। बैठक के दौरान हिंदी के प्रगामी प्रयोग से संबंधित एवं राजभाषा कार्यान्वयन से संबंधित पहलुओं पर चर्चा की गई।

बैठक के दौरान आईटीआई लिमिटेड के अध्यक्ष एवं प्रबंध निदेशक श्री पी.के.गुप्ता, निदेशक-उत्पादन, श्री के.अलगेसन और राजभाषा अधिकारी, श्री जोनाथन व्हीलर भी बैठक में उपस्थित थे।

इसके अलावा केंद्रीय सचिवालय हिंदी परिषद द्वारा नामित सदस्य, अखिल भारतीय हिंदी संस्था संघ द्वारा नामित सदस्य एवं राजभाषा और दूरसंचार विभाग द्वारा नामित अन्य सदस्यगण भी बैठक में उपस्थित थे। बैठक की कार्यवाही लाभप्रद रही।



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