



# IEI jammu news

The Institution of Engineers (India), Jammu Local Centre

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100 Years of Relentless Journey towards Engineering Advancement for Nation building

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## IEI Jammu celebrates World Environment Day - 2023



1. Sh. Lal Chand, IFS, Chief Guest along with Prof (Dr.) Bhawna Sharma, FIE, Chairman & Er. Sachin Tickoo, MIE, Hony. Secretary on the dais  
2. A section of audience during the Seminar

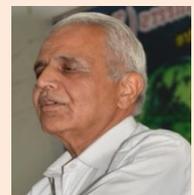
The Institution of Engineers (India), Jammu Local Centre celebrated the World Environment Day on 5<sup>th</sup> June 2023 by holding a seminar on the theme **“Solutions to Plastic Pollution”**. The event was attended by large number of Engineers from various Departments, Organizations and also by Senior Engineers along with the Members of the Committee of IEI, Jammu Local Centre.

The day is celebrated on 5<sup>th</sup> of June every year since 1973 to mark the importance of nature and environment which also gives a message to the global population that nature should not be undervalued and be not taken for granted at any cost. World Environment Day is the biggest international day for the protection of environment.

On this occasion, Sh. Lal Chand IFS (Retd. PCCF.) J&K Govt. was the Chief Guest, whereas Prof. (Dr.) Bhawna Sharma, Chairman, IEI, Jammu Centre presided over the function.

At the outset, Prof. (Dr.) Bhawna Sharma presented the *Welcome Address* and introduced the relevance of the day to the august audience. She said that we should encourage people not to use plastic and identify it as the source of environmental degradation. Micro plastics find their way into the food we eat, the water we drink and the air we breathe. She also cited a report published in prestigious Medical Journal that micro plastics have entered into the blood stream of human beings and are damaging the DNA status. Plastic is made from fossil fuels — the more plastic we produce, the more fossil fuel we burn, thereby worsening the climate crisis. Plastic pollution has thus become one of the most pressing environmental issues.

While speaking on the occasion Sh. Lal Chand Ji, IFS, stressed that the world is being inundated by plastic. More than 400 million tons of plastic is produced every year, half of which is designed to be used only once & out of that, less than 10 percent is recycled. An estimated 19-23 million tonnes end up in lakes, rivers and seas. Today, plastic clogs our landfills, leaches into the ocean and is combusted into toxic smoke, making it one of the gravest threats to the planet. He underscored the contribution of the Institution of Engineers (India) Jammu Local Centre in maintaining a constant pressure on the society towards working on solutions that aim of achieving sustainable development goal should be maintained.



Sh. Lal Chand, IFS

During the seminar, Er. P. K. Nanda, MIE; Er. B. L. Rawal, MIE; Er. Sumil Goyal, MIE; Er. Joy Ganjoo, AM Technologist; Er. Akash Dasgotra, AMIE & Er. Anil Kumar, AMIE also presented their papers on the theme. The speakers emphasised that a strict ban should be imposed on the use of single use plastics and also appealed to the general public to desist themselves from throwing away of plastic in public places and should voluntarily use jute bags for carrying out grocery purchases so that the healthy environment is maintained.

Er. Sachin Tickoo, MIE, Honorary Secretary conducted the proceedings of the event and presented Vote of Thanks to the august gathering and the media personnel.



Engineers presenting their Papers on The World Environment Day

## WORLD TELECOMMUNICATION & INFORMATION SOCIETY DAY 2023 CELEBRATED



1. Mr. Adarsh Verma, Chief Operating Officer, Bharti Airtel Ltd. J&K, speaking on the occasion. Prof (Dr.) Bhawna Sharma, FIE, Chairman & Er. Sachin Tickoo, MIE, Hony. Secretary are also seen on the dais
2. A section of audience during the seminar

The Institution of Engineers (India), Jammu Local Centre celebrated the World Telecommunication and Information Society Day (WTISD) on 17<sup>th</sup> May 2023 with the theme ***“Empowering the Least Developed Countries through Information and Communication Technologies”***, the event was attended by Engineers from various Departments, Organizations and Senior Engineers along with Members of the Committee of IEI, Jammu Local Centre.

The day is celebrated every year on 17<sup>th</sup> May to mark the founding of **International Telecommunication Union (ITU)** and the signing of the first International Telegraph Convention in 1865. *The International Telecommunication Union (ITU) is the United Nations specialized agency for Information and Communication Technologies – ICTs.*

The purpose of World Telecommunication and Information Society Day (WTISD) is to help raise awareness of the possibilities that the use of the Internet and other Information and Communication Technologies (ICT) can bring to societies and economies, as well as of ways to bridge the digital divide.

On this occasion, Mr. Adarsh Verma, Chief Operating Officer, Bharti Airtel Ltd. J&K, was the *Chief Guest* whereas Prof. (Dr.) Bhawna Sharma, Chairman, IEI Jammu Centre presided over the function.

At the outset, Prof. (Dr.) Bhawna Sharma presented the *Welcome Address* and introduced the relevance of the day to the audience. She said that the digitization is not happening equally all over the World and this imbalance is known as digital divide. She informed that the purpose of the day is to help raise awareness of the possibilities that use of the internet and other Information and Communication Technologies (ICTs) can bring to societies and economies, as well as of ways to bridge the digital divide. She said that the access to the internet has enabled many of us to get on with our lives despite the Covid pandemic, thanks to the modalities such as remote working and online education but the reality isn't the same for all over the world.

*While speaking on the occasion, Mr. Adarsh Verma stressed that Corporates are taking all measures to make the last mile digital connectivity a reality and handing over the power of telecommunication into the hands of common man. The World is continuously evolving on this, and every day new ways and means to reduce the digital divide are emerging. He appreciated the role of this premier institution in spreading awareness among the masses that more needs to be done to use the ICTs in making the life of common people smooth cutting across the global boundaries.*

03 Nos Technical Papers on the theme were presented by Er. Joy Ganjoo, Member Technologist, Er. Akash Dusgotra, AMIE & Er. Anil Kumar, AMIE.

Er. Sachin Tickoo, MIE, Honorary Secretary conducted the proceedings and presented the Vote of Thanks to the august gathering and media personnel.



**Er. D. K. Gupta**

### Er. D. K. Gupta passes away

Er. D. K. Gupta, a Fellow of the Institution of Engineers (India) & Former Superintending Engineer, Power Development Department, J&K Govt. breathed his last on 5<sup>th</sup> April, 2023.

He was born on 5<sup>th</sup> April, 1949 at R. S Pura, a border village of Jammu. He did his schooling from R. S. Pura. Later, he joined Regional Engineering College, Srinagar (Now NIT) in 1966 and passed out in Electrical Engineering in 1972.

After graduating he joined as Junior Engineer in Military Engineering Services and finally as Assistant Engineer in Power Development Department of J&K State after qualifying JKPS. He retired as Superintending Engineer in April, 2007.

Er. D. K. Gupta was a dedicated Member of IEI having lot of interest in the day-to-day activities of Jammu Local Centre. He also remained a Member of the Committee of IEI, Jammu Local Centre & was instrumental in getting an award sponsored under the annals of Jammu Centre which is popularly known as ***D K Gupta Engineer of the Year Award*** which now will be renamed as ***D K Gupta Memorial Engineer of the Year Award*** after his sad demise. This award is being conferred on an engineer every year since 2011.

Er. Gupta after retirement started a new field of business with the name of Nidaan Diagnostics Centre in 2008, one of the largest blood testing laboratory in Jammu. Coincidentally, Er. D. K. Gupta left for heavenly abode on the same date as his birth date i.e. 5<sup>th</sup> of April.

*This Centre expresses its deepest condolences on his sad demise and prays to Almighty to grant peace to the departed soul and bestow courage to the bereaved family members to bear this colossal loss.*

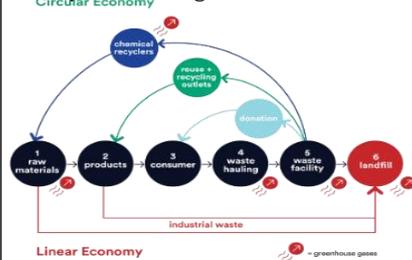
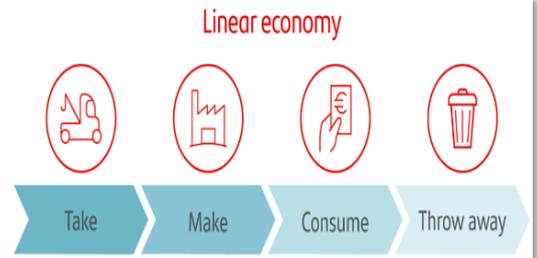
## CIRCULAR ECONOMY APPROACH FOR DEVELOPMENT

**ARUN AGARWAL, ITS**

We are living in an era of Science & Technology, which has helped in unprecedented growth & development in the world. Human development parameters such as literacy, life expectancy access to health services, drinking water, availability of various goods & services have improved significantly during the last century. However, this development has also led to the depletion of natural resources on the one hand and pollution of the Earth on the other hand. The result is climate change crisis and huge garbage dumps at landfills, which can be managed only through a multi-pronged strategy, and Circular Economy is one such effective approach. Hon'ble Prime Minister in his Independence Day Address on August 15, 2021 emphasized on Circular Economy Mission.

The conventional "Linear Economy" model follows the "take-make-consume-throw away/dispose" plan. The raw materials are collected and transformed into products that consumers use until discarding them as waste, which are then sent to landfills or for incineration, with no concern for their ecological footprint and consequences.

This new paradigm of Circular Economy takes a comprehensive view of products and processes to achieve minimization of resource use, increase in useful life of products, recovery of embodied resources at the end of the used products, thereby reducing the footprint of economic activities as well. Circular Economy covers the full life cycle of both goods and business models. The material recycling



(i.e., converting scraps and waste materials into useful raw materials) is one of the building blocks of resource efficient Circular Economy. The recyclable materials are resources. They have critical role in economy and sustainable development. **In an ideal Circular Economy, all waste generated would be reused as raw material in production processes.**

For sustainable growth of the country, the Way- Forward is the Circular Economy model. A circular economy path could bring in substantial annual benefits, along with significant reduction in congestion and pollution, which would consequently have a snowball effect on the economy. For expediting transition from a "Linear Economy" to "Circular Economy", efforts are being made by the concerned Ministries in 11 areas namely Municipal Solid Waste and Liquid Waste, Scrap Metal (Ferrous and Non-Ferrous), Electronic Waste, Lithium Ion (Li-ion)

Batteries, Solar Panels, Gypsum, Toxic and Hazardous Industrial Waste, Used Oil Waste, Agriculture Waste, Tyre and Rubber Recycling, End-of-life Vehicles (ELVs).

In the area of e-Waste, a Report titled "Circular Economy in Electronics and Electrical Sector- Action Plan" was issued by Ministry of Electronics & IT (MeitY) in July 2021. Thereafter, NITI Aayog finalized an Action Plan on Circular Economy in Electronics and Electrical Sector in November 2021. The aforesaid documents addressed general issues related to the IT sector, **and now, the Department of Telecommunications is working on the formulation of an "Action Plan on Circular Economy in the Telecom Sector" with focus on telecom specific issues.**

[ The writer is Deputy Director General in Ministry of Communications, Department of Telecommunications, Govt. of India ]

## RING ROAD PROJECT IN JAMMU

The increase in population in and around Jammu City has given rise to traffic congestion and chaos in the existing city roads. The existing road network had almost remained same except the Jammu Kunjwani and Nagrota bypass on the eastern side of Jammu City. The problem of congestion has further aggravated with the movement of the army traffic with heavy machinery through busy roads of Jammu city to border areas of Poonch, Rajouri, Nowshera Akhnoor, Chammb and other zones. Also, migration of people from Rural areas of, Doda, Poonch and Rajouri to Jammu has led to further increase in population in Jammu city. The existing National highway- 44 has virtually become a city road.

Jammu city is expanding at a very fast pace in all the directions and the traffic is also increasing accordingly. The growth of traffic in Jammu city is due to follow reasons:

- Tourist coming from all over India to visit temples, especially of Maa Vaishno Devi and Amar Nath Ji in Srinagar (Kashmir)
- Army traffic passing through Jammu city and going to border areas of Poonch, Rajouri Akhnoor.
- Army traffic going to Northern Command HQ at Udhampur.
- Urbanization of rural area of Jammu.

The existing North East Jammu Bypass (Kunjwani and Nagrota) which is catering to traffic going to Katra, Srinagar, and Northern parts of the city, But the traffic going to Poonch, Rajouri, Akhnoor is going through the busy Jammu city which is making the busy roads of city further congested. To release this pressure of traffic from the city Roads and cater the need of expanding areas of Jammu city, a need of new bypass road has arisen.

The Under construction Jammu ring road is therefore a very important project for the development of Jammu city and to reduce the burden of Traffic on the existing NH-44 which takes off from left of Raya Morh near Zamindara Daba on existing NH 44 and after passing through villages like Sarore, Bishnah, R S Pura, Marh, Ghomanasa, Akhnoor Road, Bhalwal and finally Joins the existing NH 44 at village Jagti Nagrota near IIT Jammu. This will provide big relief to the habitation /villagers of these areas.

Taking into consideration the above requirements, the construction of 4 lane Ring road/Bypass Road to Jammu city in the UT of Jammu and Kashmir (J&K) is being carried out by NHA and is near completion.

SOME OF THE SAILENT FEATURES ARE AS BELOW

<b>Start</b>	<b>: Raya Morh (near Zamindara Dhaba)</b>	<b>End</b>	<b>: Jagti Nagrota (near IIT Jammu)</b>
<b>Total Length</b>	<b>: 58.255 Km</b>	<b>Project cost</b>	<b>: Rs.2023.87 Crore</b>
<b>Proposed ROW</b>	<b>: 60 m</b>	<b>Major Bridges</b>	<b>: 8</b>
<b>Minor Bridges</b>	<b>: 31</b>	<b>Fly over</b>	<b>: 7</b>
<b>LV UP</b>	<b>: 15</b>	<b>Service Road</b>	<b>: 15 kms both side</b>
<b>EPC Contractor : M/s Gayatri – KMB –(JV)</b>			

## IEI COMPLEX, JAMMU



The Institution of Engineers (India), Jammu Local Centre has created facilities at Institutional Complex, Sector - 3, Channi Himmat, Jammu which comprises of 01 No state of the art Bharat Ratna Sir M. Visvesvaraya Centre for Arbitration & Conciliation - Domestic & International", 01 No. AC Auditorium and 06 Nos. AC Double Bed Rooms. In addition to this, there is an Air Conditioned library which can be used by the AMIE students and other engineers of this region for consulting the latest technical books for updating their knowledge.

The rooms can be utilized by the Corporate Members of the Institution for their/their guests' use. Auditorium can be utilized for techno-commercial activities like Technical Seminars, Commercial Exhibitions, Science Exhibitions, Book Fairs, etc. related to engineering/technological fields and the like. *Further, corporate members of this Centre are informed that now Auditorium Hall will also be available to them for small parties and mini functions with restriction that DJs will not be allowed to be played inside it. Centre for Arbitration & Conciliation is also available for official and corporate meetings.*

***It is pertinent to mention here that "Donation to the Institution is exempted from Taxable Income of the donor under Section 80G (5) (vi) of Income Tax Act.***

***Hence engineers of this region are requested to donate generously for the upliftment of Jammu Local Centre.***

## FORTHCOMING ACTIVITIES

### 56<sup>th</sup> Engineers' Day

On 15<sup>th</sup> September, 2023

Theme: "Awaited"

The interested Corporate Members, colleague engineers & engineering students are requested to submit the papers by 25<sup>th</sup> August, 2023 up to 4:00 P.M with in office hours so that the same are listed for presentation. The theme shall be circulated among all members as and when it is received/finalized.

### Royal Charter Day

On 9<sup>th</sup> September, 2023

Theme "Awaited"

The interested Corporate Members, colleague engineers & engineering students are requested to submit the papers by 30<sup>th</sup> of August, 2023 up to 4:00 P.M., so that the same are listed for presentation. The theme shall be intimated to all members as and when it is received/finalized.

## DISCLAIMER

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## D. K. GUPTA MEMORIAL ENGINEER OF THE YEAR AWARD

All Corporate Members attached with Jammu Local Centre are hereby intimated that the Institution of Engineers (India), Jammu Local Centre presents "D. K. Gupta Memorial Engineer of the Year Award" every year which is sponsored by Late Er. D. K. Gupta on Engineers' Day based on the following

**"Lifetime Achievements of an individual during his/her whole professional career up to the year of submission of his/her credentials to this Centre".**

The award is "application based" and any Corporate Member attached with IEI, Jammu Local Centre is eligible for applying. The applicant staking claim for the aforesaid award has to submit his/her application in a "prescribed format" available in Institution's Office located at Sector-3, Channi Himmat, Jammu, in which Self Appraisal has been sought from him/her along with supporting documents.

The last date for submission of credentials is up to 20<sup>th</sup> of August, 2023 up to 4:30 P.M.

### For details contact

IEI, Jammu Local Centre - +91 191 2462545

Er. Sachin Tickoo, MIE; Hony. Secretary Mob. +91 94191 50216

## LIST OF NEW & UPGRADED MEMBERS

The Institution of Engineers (India), Jammu Local Centre congratulates the following engineers who have been enrolled as Corporate Members of the Institution of Engineers (India)

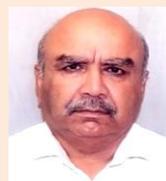
M-1778921 ER. AAKASH CHUNI  
M-1780683 ER. KAMAL KUMAR  
M-1779642 ER. VIVEK PANDOH  
AM-3075446 ER. JAGTESHWAR SINGH



## Editorial Board



Prof. (Dr.) Bhawna Sharma, FIE  
Chairman cum Editorial Director



Er. P K Nanda, MIE  
Member



Er. Anil Verma, MIE  
Member



Er. Pooja Wazir, AMIE  
Member



Er. Sachin Tickoo, MIE  
Hony. Secretary

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