Dated: 10th July, 2018

Subject: Webinar on *'Overview of future bandwidth requirement and Solution (NGPON2)'.*

Telecom Engineering Centre (TEC), New Delhi is organising webinars on regular basis on topics of current interest with the objective of disseminating knowledge on emerging topics. These webinars provide an overview of topics, which may be of interest in policymaking as well as implementation.

In this series, 4th webinar is being organised on the topic *'Overview of future bandwidth requirement and Solution (NGPON2)'* on **Friday, 13th July, 2018 at 4:00 PM.** The webinar will be conducted by Shri Abdul Kayyum, Director (IT), TEC.

We invite the interested officers in DoT to join the webinar by clicking on the registration link https://negd.zoom.us/webinar/register/WN_p6cq6FxUTjqPm3h3beJ2MQ. Registered participants may join the webinar on PC/laptop as well as mobile phones. Information regarding registration and joining the webinar is enclosed along with a brief overview of the topic and profile of the speaker. In case of any difficulty in registration or joining the Webinar, the officers of IT Wing of TEC can be contacted as per contact information provided in the attached sheet.

The webinar is interactive in nature and registered participants can post questions in prescribed text box on webinar page which may be answered by the speaker at the end of webinar. Feedback about the webinar will be collected through online polls during the webinar.

It is requested to circulate the notification in the respective units under your control for registration and joining the webinar as per the schedule mentioned above.

Vivek Shrivastava
Director (Training-II)
Tel: 23036559

To
    All Sr DDGs/All DDGs/ CVO/JS (A)/ JS (T)/ All Directors

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    Sr.PPS to Secretary (T) for information please
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    Sr PPS to Principal Economic Advisor/ Wireless Advisor for information please
    Sr DDG, TEC, New Delhi- With a request to provide details of number of registrations, participants and feedback of online poll after conclusion of webinar.

Telecom Engineering Centre, Department of Telecom
Ministry of Communication
Government of India
Invitation to Register for Webinar on

Overview of future bandwidth requirement and Solution (NGPON2)

Date: 13th July 2018

Time: 4:00 PM

Link for registration

https://negd.zoom.us/webinar/register/WN_p6cq6FxUTjqPm3h3beJ2MQ

Instructions for registration & joining the webinar:

- **After successful registration, you will receive an email on email ID given for registration. The email will contain the link for joining the webinar.**

- **You can join the webinar on PC/laptop/mobile.**

- **For first time users on PC/laptop, system will download Zoom tool (zoom.exe) automatically.**

- **For first time users on mobile, system will prompt you to download Zoom App from play store for joining the webinar.**

- **In case of any difficulty in registration or joining the Webinar, the following may be contacted:**
  - **Shri. U C Meena ADG (IT), TEC- 9013131137**
  - **Shri. S K Singh ADG (IT), TEC- 9868376144**
  - **Shri Rakesh Bedi Consultant IT, TEC – 9013211112**

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Topic: Overview of future bandwidth requirement and Solution (NGPON2)

Description: Splitting of radio base station into RRH/RRU and BBU and consolidation of BBU into hotelling sites in 4G, 5G and Mobile and Fixed network consolidation demands very large bandwidth in the order of over 100Gbps in access network. 5G shall require even higher bandwidth with low latency. One of the candidate which can meet these challenge is NGPON2.NGPON2 is a second generation PON technology capable of delivering 40Gbps with 4 wavelengths and 80Gbps with 8 wavelengths. It supports three data rates (10/10, 10/2.5, 2.5/2.5 Gbps) with an option of PtP WDM Overlay upto 16 wavelengths. It is analogous to stacking of a number of XGSPON and channel bonding. It can co-exist with GPON, GEPON,10GEPON, XGPON and XGSPON on same ODN. It qualifies to be used in the networks where high constant bit rate, low latency, high jitter and high resilience are required. NGPON2 supports all G-PON, XG-PON, XGSPON and RF Video legacy services in the   case   of   full   migration.

Profile of the Speaker: Mr. Abdul Kayum

Director (Fixed Access) at Telecom Engineering Centre, New Delhi

Mr. Abdul Kayum is a bachelor in Electronics and Telecommunication Engineering and has done master in Business Administration and Public Policy & Sustainable development. He has on job experience of planning, development and operation for over 21 years in the field of telecommunication before joining Telecom Engineering Centre where he is actively involved in making standards for fixed access telecom network.