Prelim Bits 20-05-2017

National Police Mission (NPM)

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- **The Bureau of Police Research & Development (BPR&D),** under the Ministry of Home Affairs (MHA), will organise the 1st National Conference of Micro Missions of NPM on May 23-24, 2017.
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- There will be sessions on the eight Micro Missions working under the BPR&D on issues including **Proactive Policing and Visualizing Future Challenges** (Extremism and Naxalism – Mob Violence – Cyber Crime – Money Laundering – Narco Terrorism – Human trafficking etc.) and **Communication and Technology** (Polnet – CIPA – Cyber Techniques – Forensic Science – DNA – Narco Analysis etc.)
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- NPM is working to transfrom the Police Forces in the country into effective instrument for maintenance of Internal Security and meeting challenges of the next century, by equipping them with the necessary material, intellectual and organisational resources.
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- Since its inception, NPM trying to bring out specialisation in areas like counter-terrorism and insurgency, focussing on the strengthening of metropolitan and rural policing, bring in attitudinal changes in police, gender sensitisation, etc.
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Bio-Solar-Wind Microgrid Centre

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- The President of India has inaugurated a Bio-Solar-Wind Microgrid Centre and Centre for Water and Environment Research at Indian Institute of Engineering Science & Technology, West Bengal.
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- The purpose behind setting up of these centres is to ensure that **electricity is available for ordinary people** and potable water is provided for

consumption of both humans and animals.
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- The facilities are crucial from the perspective of socio-economic development. Centres such as these are the need of the hour, with resource sustainability and environmental protection having become pressing global issues.
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- A micro-management of power system using renewable energy sources will lead to self-sufficiency in high consuming destinations like institutions and industry.
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World’s thinnest hologram

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- Scientists have created the world’s thinnest hologram that can be seen without 3D goggles and may be integrated into everyday electronics such as smartphones, computers and TVs.
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- **Integrating holography into everyday electronics would make screen size irrelevant** — a pop-up 3D hologram can display a wealth of data that does not neatly fit on a phone or watch.
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Railway safety cess

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- Plagued by repeated derailments, the railways is considering imposing safety cess on train tickets to be utilised for strengthening accident prevention measures.
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- The cess **could be fixed at less than 2% of the total fare amount.**
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- A safety cess was last levied in 2002 during Nitish Kumar’s term as the railway minister to service a special fund of Rs 17,500 crore.
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- The fund was set up to take up several tasks, including restoration of old bridges, besides signaling and track modernisation works.
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