



SHANKAR  
IAS ACADEMY™

The Best IAS Academy In South India SINCE 2004

ENGLISH  
NOVEMBER - 2018

# TNPSC ZERO CURRENT AFFAIRS MAINS

0%  
Effort

100%  
Results

 [www.tnpscshervupettagam.com](http://www.tnpscshervupettagam.com)

 [tnpscfeedback@shankarias.in](mailto:tnpscfeedback@shankarias.in)

 Available @Bookmark Store.

Plot No 1742, 1st Floor, 18th Main Road, Anna Nagar West, Chennai – 600 040

Contact : 044-43533445 | 044-45543082.

Centres : Chennai - Annanagar & Adyar | Salem | Madurai | Trichy | Coimbatore | Namakkal.

## **NOVEMBER 2018 IMPORTANT TOPICS**

### **TAMILNADU/தமிழ்நாடு**

1. TN Lok Ayukta Act  
தமிழ்நாடு மாநில லோக் ஆயுத்தா சட்டம்
2. Gaja Cyclone  
கஜா புயல்

### **NATIONAL/தேசம்**

1. RBI Core Banking Solution (E-Kuber) System  
இந்திய ரிசர்வ்வங்கியின் ஒருங்கிணைந்த வங்கி சேவைமுறை
2. Statue of Unity  
ஒருமைப்பாட்டுக்கான சிலை
3. Metoo  
நானும் தான்
4. GST Council  
ஜி.எஸ்.டி. கவுன்சில்
5. PAISA Portal (Portal for Affordable Credit and Interest Subvention Access)  
மலிவான கடனுதவி மற்றும் குறைந்த வட்டியுடனான பண உதவி பெறுவதற்கான இணைவாயில்
6. Umang app  
உமாங் செயலி
7. Cosmic Farming  
காஸ்மிக் பார்மிங்
8. Solid Waste Management Rules, 2016  
திடக் கழிவு மேலாண்மை விதிகள் 2016
9. Himalayan State Regional Council  
இமயமலை மாநிலங்களின் பிராந்திய குழு

## **SCHEMES/YOJANAS**

1. Pradhan Mantri Jan Arogya Yojana (Ayushman Bharat)  
பிரதமரின் மக்கள் நலத்திட்டம்-ஆயுஷ்மான் பாரத்
2. eNAM  
மின்-தேசிய வேளாண் சந்தை
3. Saubhagya scheme  
சௌபாக்யா திட்டம்
4. Paramparagat Krishi Vikas Yojana  
பாரம்பரிய விவசாய மேம்பாட்டுத் திட்டம்
5. GOBAR-Dhan  
கோபார் தன்
6. Mission Raksha Gyan Shakti  
ராக்ஷா கியான் சக்தி இயக்கம்
7. Yuva Sahakar  
யுவ சஹாகார்
8. Operation Green (TOP)  
பசுமை நடவடிக்கை

## **SUMMITS & CONFERENCES**

1. Vayoshreshtha Samman – 2018  
வயோஷ்ரேஷ்த சம்மன் - 2018

## **MILITARY EXERCISE**

1. Dharma Guardian 2018  
தர்மா கார்டியன் 2018

## SCIENCE AND TECHNOLOGY

1. Eco Sensitive Zone  
சூழல் கூருணர்வு மண்டலம்
2. DNA Hybridization  
டி. என். ஏ கலப்பினச் சேர்க்கை
3. GSLV MKIII D2  
ஜிஎஸ்எல்வி எம்கேIII D2
4. Shakti – India's first Indigenous Microprocessor  
சக்தி - இந்தியாவின் முதலாவது நுண்சில்லு
5. Green Crackers  
பசுமை பட்டாசுகள்
6. SAFAR - System of Air Quality and Weather Forecasting and Research  
காற்றின்தரம்மற்றும்வானிலைமுன்னறிவிப்புமற்றும் ஆராய்ச்சி அமைப்பு
7. Insight mission  
இன்சைட் திட்டம்

## DEFENCE & SPACE

1. HYSIS Satellite  
ஹைசிஸ் செயற்கைக்கோள்

## PERSON IN NEWS

1. IravadhamMahadhevan  
ஐராவதம் மகாதேவன்
2. Mars man - Mayilsamy Annadurai  
செவ்வாய் மனிதர் - மயில்சாமி அண்ணாதுரை

## SPORTS

1. Marykom Achievements  
மேரிகோமின் சாதனைகள்

## MISCELLANEOUS

1. Sentenelese island  
சென்டினல் தீவுகள்
2. Kartarpur Corridor  
கர்தார்பூர் வழித்தடம்
3. G20  
ஜி20
4. SAGAR - Security and Growth for all in the Region  
பிராந்தியத்திலுள்ள அனைவருக்குமான பாதுகாப்பு மற்றும்  
வளர்ச்சி
5. Naturopathy Day  
இயற்கை மருத்துவ தினம்
6. Regional Integrated Multi-Hazard Early Warning System for Africa and  
Asia (RIMES)  
பல்வகைப்பட்ட பேரிடர்களையும் முன் கூட்டியே அறிவிக்கும்  
ஆப்பிரிக்கா மற்றும் ஆசியாவின் ஒருங்கிணைந்த பிராந்திய  
மையம்
7. #POWEROF18 Campaign  
#POWEROF18 பிரச்சாரம்

## **NOVEMBER - 2018**

### **3 MARK QUESTIONS**

**1. What is E-KUBER SYSTEM?**

- (i) Core Banking Solution (CBS) of RBI.
- (ii) It provides single current account for each bank across the country.
- (iii) Auction of government securities is also done through e-Kuber system.

**2. Write a short note on "STATUE OF UNITY"?**

<b>(i)</b>	<b>Statue of Unity</b>	World's tallest statue (182 m) - For Sardhar Vallabhai Patel
<b>(ii)</b>	<b>Place</b>	Sadhu - Bet Island - Narmadha River, Gujarat
<b>(iii)</b>	<b>Architect</b>	Ram V.Sutar

**3. What are the objectives of PM Jan Arogya Yojana?**

- (i) World's largest healthcare Scheme
- (ii) Provide Free Insurance Coverage upto Rs.5 lakh per family per year
- (iii) Ministry of Health and Family Welfare

**4. Define "GREEN CRACKERS"**

CSIR developed less polluting fire crackers by eliminating potassium Nitrate ( $KNO_3$ )

- E.g :
- (i) SWAS - Safe Water Releaser
  - (ii) SAFAL - Sage Minimal Aluminium

**5. Write a short note on SAFAR?**

- (i) SAFAR - System of Air Quality Forecasting And Research
- (ii) Developed by IITM - Pune
- (iii) To check the air quality in Atmosphere

**6. What is "METOO"? Why it was in news recently?**

- (i) METOO - International movement against sexual abuse at work place
- (ii) Ministry of Women & Child development Created awareness about "METOO".

**7. Why “Iravatham Mahadevan was in news recently?”**

- (i) Linguistic Scholar - Examined dravidian components in Vedic & Indus Script.
- (ii) **Book:** “Early Tamil Epigraphy from the earliest times to the sixth centry A.D.”

**8. Write a brief note on “Sentinelese”.**

- (i) Sentinelese - Most isolated tribe in the world living in North Sentinel Island, Andaman
- (ii) Indian Government designated as “Particular Vulnerable Tribal Group” (PVTG)

**9. What is CGDP? Where it is going to be implemented in Tamilnadu?**

- (i) City Gas Distribution Project - Secondary natural Gas distribution to domestic & commercial purposes through Pipelines.
- (ii) Tamil Nadu - Salem & Coimbatore

**10. Write a short note on “Kartarpur Corridor”?**

- (i) Indian Sikh pilgrims to visit Gurudwara Darbar Sahib at Kartapur in Pakistan
- (ii) Visa Free passage
- (iii) Located near the Banks of River Ravi

**11. What is Eco-Sensitive Zone?**

- (i) Ecologically and Economically important areas but vulnerable even to mild disturbances, and hence demand careful management
- (ii) ESZ also known as Ecologically Fragile Areas (EFA)
- (iii) ESZ around the protected areas, national parks and wild life sanctuaries to prevent the ecological damage.

**12. Recent achievements made by Marykom in 2018?**

S.No.	Games - (Boxing)	Medals
(i)	Common Wealth Games - 2018	Gold (on debut)
(ii)	World Womens Boxing Championships	Gold (6 <sup>th</sup> time)

**13. Write brief note on “UMANG APP”.**

- (i) UMANG - (United Mobile Application for New age Government)

- (ii) One application to a vail multiple government services like Aadhaar, PF account.
- (iii) Ministry of Electronics & IT launched

**14. Briefly Explain “Insight Mission”.**

- (i) Insight - (Interior Exploration using seismic Investigations, Geodesy & Heat Transport) by NASA.
- (ii) To study about Mar’s Geological evolution.
- (iii) Launched on 5<sup>th</sup> May 2018.

**15. Define Blue Economy.**

- (i) Sustainable Use of Ocean Resources for economic growth and Ocean eco system health.
- (ii) **Components :**
  - a) Fisheries
  - b) Maritime Transport
  - c) Tourism
  - d) Waste Management

**16. What is Nirbhaya Fund? Why was it Constituted?**

- (i) Created by Ministry of Finance in 2013 with a corpus of Rs 1000 crore
- (ii) Enhancing the safety & security of women in the country
- (iii) Non-lapsable Corpus Fund

**17. Who is called as “Mars Man of India”? Why?**

- (i) Mylswamy Annadurai
- (ii) Program Director of Mars Orbiter Mission (Mangalyaan)
- (iii) Contributions - Chandrayaan - 1, Chandrayaan - 2.

**18. What are the objectives of Saubhagya Scheme?**

- (i) Saubhagya - Sahaj Bijli Har Ghar Yojana.
- (ii) Electricity for Urban & Rural households.
- (iii) Free - BPL families as per SECC 2011
- (iv) Implementing Agency - RECL (Rural Electrification Corporation Limited)
- (v) Ministry of Power

**19. What is the Composition of GST Council?**

- (i) Article 279A - Composition of GST Council
- (ii) Chairperson - Union Finance Minister
- (iii) Union Minister of State in-charge of Revenue & Finance



(iv) State Finance Minister

**20. Write the objectives of PKVY.**

- (i) Parmparagat Krishi Vikas Yojana
- (ii) To encourage the farmers for promoting organic farming
- (iii) Supporting Organic farming via cluster approach
- (iv) Ministry of Agriculture & Farmers Welfare

**21. Write a note on “AMRUT SCHEME”.**

- (i) Atal Mission for Rejuvenation & Urban Transformation.
- (ii) Urban development Scheme for Tier 2 & Tier 3 Cities.
- (iii) AMRUT Replaces JNNURM.
- (iv) Launched on 2015

**22. State HAUSLA – 2018.**

- (i) National Festival for Children of Child Care Institutions (CCI's)
- (ii) Provide a national platform for the children from CCI's across India to show their talent
- (iii) THEME: “Child Safety”
- (iv) Launched by Ministry of Women and Child Development.

**23. Write a note on Double Jeopardy and Self Incrimination Law?**

<b>Double Jeopardy</b>	<b>Self Incrimination Law</b>
Article 20 (2) says that no person shall be prosecuted and punished for the same offence more than once.	Article 20 (3) says that no person accused of any offence shall be compelled to be a witness against himself.

**24. Write a Short note on PAISA – Portal.**

- (i) **PAISA – Portal for Affordable Credit & Interest Subvention Access**
- (ii) Designed and developed by Allahabad Bank
- (iii) Centralized electronic platform for processing interest subvention on bank loans
- (iv) Beneficiaries under Deendayal Antyodaya Yojana – National Urban Livelihoods Mission (DAY-NULM).

**25. Define DNA Hybridization Technique.**

- i) Process of joining two complementary strands of DNA to form double stranded molecule.  
Eg. Species 1 + Species 2 = New Species

**26. Write a note on “SpinNaker Machine”**

- (i) Spiking Neural Network Architecture Machine - world’s largest super computer.
- (ii) Work similar to human brain.
- (iii) Designed by, University of Manchester, UK.
- (iv) 200 million million actions per second, with each of its chips having 100 million transistors.

**27. What is Operation Green?**

- (i) Price Fixation scheme aims to ensure farmers are getting right price for their products.
- (ii) **Promote:** Farmer Producers Organizations, Agri – Logistics, Professional Management
- (iii) **TOP:** Tomato, Onion, Potato

**28. What are the objectives of GOBAR-DHAN Scheme?**

- (i) Galvanizing Organic Bio - Agro Resource Fund Scheme
- (ii) Generate Energy from cattle and organic waste.
- (iii) Creating rural livelihood opportunities & to increase income for farmers and people.

**29. Write a short note on “Dharma-Guardian-2018”**

- (i) First ever joint military exercise held between India and Japan.
- (ii) Fight against global terrorism.
- (iii) Held at Counter Insurgency Warfare School, Mizoram.

**30. What is Yuva Sahakar?**

- (i) To attract youths to involve in a cooperative business ventures.
- (ii) National cooperative Development Corporation (NCDC) launched the scheme.
- (iii) Doubling farmers income by 2022.

**31. Write a note on “Mission Raksha Gyan Shakthi”.**

- (i) To boost intellectual Property Right (IPR) culture in indigenous defence industry.
- (ii) Implementing Agency - Directorate General of Quality Assurance (DGQA).

**32. What are the tasks Performed by Himalayan State Regional Council?**

- (i) Sustainable Tourism in Himalayan region.
- (ii) Shifting cultivation - towards Transformation Approach.

- (iii) Revival of springs for water security.
- (iv) Strengthening skills and entrepreneurship.

**33. Write a short note on Shakthi Microprocessor?**

- (i) India's first indigenous microprocessor
- (ii) Designed by IIT – Madras
- (iii) **Applications:** Motor controls, robotic platforms, home-appliances, etc.,

**34. Write a note on Inland Multimodal Terminal at Varanasi?**

- (i) Built at NW – 1, River Ganges
- (ii) Under World Bank aided Jal Marg Vikas Project of IWAI
- (iii) To promote cheap and eco –friendly inland cargo transport

**35. What is ACROSS Scheme and it's implementing institutions?**

- (i) **Atmosphere & Climate Research - Modelling Observing Systems & Services.** It gives warning for cyclone, storm surges, heat waves, thunderstorms etc.
- (ii) **Implementing Institutions:**
  - a. India Meteorological Department (IMD)
  - b. Indian Institute of Tropical Meteorology (IITM)
  - c. National Centre for Medium Range Weather Forecasting (NCMRWF)
  - d. Indian National Centre for Ocean Information Service (NCOIS)

**36. When and Why “Vayoshreshtha Samman – 2018” conferred?**

- (i) Recognizes services towards the cause of the elderly persons
- (ii) On the occasion of International Day of Older Persons (1<sup>st</sup> October since 2005)
- (iii) Organized by the Ministry of Social Justice and Empowerment.

## 8 MARK QUESTIONS

### 1. Discuss about e-NAM.

#### e-NAM (National Agriculture Market):

- i) Electronic trading portal for agricultural products.
- ii) Launched in April 2016

#### Aim:

- i) To create a unified National Market for agricultural commodities by integrating existing Agriculture Produce Market Committee (APMC) markets.
- ii) To double the farmers income by 2022.

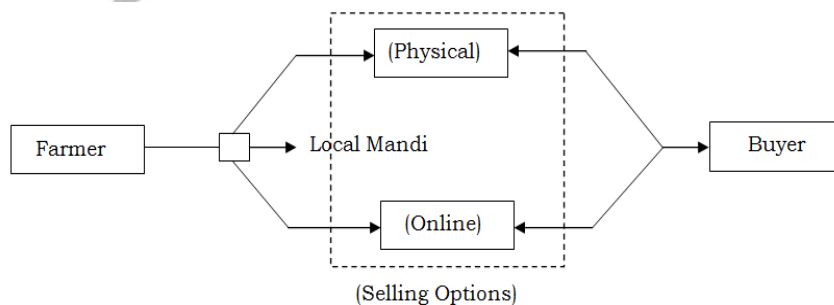
#### Promoter of eNAM:

- i) Small Farmers Agribusiness Consortium (SFAC)

#### Features of e-NAM:

- i) e-NAM is a virtual market but it has a physical market at the backend.
- ii) A single license to be valid across the state.
- iii) Single point levy of market fee.
- iv) Provisions for electronic auction as a mode of price discovery.
- v) Also facilitate the emergence of value chains in major agricultural commodities across the country.
- vi) To promote scientific storage and movement of agri goods.

#### Functions of e-NAM:



Functions of e-NAM

- i) Farmers having two options for selling their agricultural commodities either through online or offline.

ii) The transaction will be on the book of APMC.

**2. Explain the following.**

**i) Applications of HySIS Satellite.**

- a) Earth Observation Satellite.
- b) Agriculture, Geology, Soil Survey
- c) Environmental Monitoring
- d) Pollution detection from industries.
- e) Inland water and Coastal Zone Studies.

**ii) GSLV - MK III D2.**

- a) Second Developmental Flight of GSLV MKIII
- b) Three - stage heavy lift launch vehicle developed by ISRO.
- c) Cryogenic upper stage.
- d) Carrying Capacity: 4 Tones to GTO and 10 Tones to LEO
- e) It carries GSAT - 29 on 14<sup>th</sup> November 2018.

**iii) NovaSAR**

- a) **Satellite:** UK  
**Launched by:** PSLV C - 42 (India)
- b) S-Band synthetic Aperture Rader (SAR) Satellite.
- c) Launched to Sun-Synchronous Orbit
- d) **Applications:**
  - Forestry Mapping
  - Land Use and Ice Cover Monitoring.
  - Flood and Disaster Management.
  - Maritime Missions.

**3. Discuss about Tamil Nadu Lok-Ayukta 2018.**

- (i) Administrative Reforms Commission (ARC) recommended Lokpal and Lokayukta.
- (ii) **Lokpal:** For Centre
- (iii) **Lokayukta:** Anti-Corruption Ombudsman Organization in State.

- (iv) 1<sup>st</sup> state to adopt Lokayukta - Maharashtra, Tamil Nadu adopted on July 9, 2018.

**TN-Lok Ayukta:**

- (i) The bill was introduced in state legislature by Minister of Personal and Administrative Reforms.
- (ii) **JURISDICTION:** Jurisdiction of Lokayukta includes,
- Ministers,
  - Members of Legislative Assembly,
  - Officers &
  - Employees of Government

**COMPOSITION:**

- (i) Chairman + 4 members.
- (ii) **Chairman:** - Former (or) current HC Judge Served atleast 25 years.
- (iii) **Term:** 5 Yrs / 70 Yrs
- (iv) **Members:**
- Should not be a MP (or) MLA
  - Should not be less than 45 yrs of age.

**Selection Committee:**

- CM
- Leader of Assembly
- Leader of Opposition

**Features:**

- CM and cabinet come under the purview of act, but local administration and government contracts do not.
- People who are filed false complaint can be punished with penalty of Rs. 1 lakh and imprisonment of upto one year.

**4. Answer the following.**

**(i) Functions of National Tiger Conservation Authority (NTCA):**

- Ensuring normative standards in tiger reserve management
- Preparation of reserve specific tiger conservation plan
- Laying down annual/ audit report before Parliament
- Instituting State level Steering Committees under the Chairmanship of Chief Minister and establishment of Tiger Conservation Foundation.
- According approval for declaring new Tiger Reserves.

**(ii) National Green Tribunal:**

- a. Established under National Green Tribunal Act 2010
- b. Effective and expeditious disposal of cases relating to environmental protection and conservation of forests and other natural resources.

**(iii) Central Water Commission:**

- a. Premier technical organization of India in the field of water resources
- b. Attached office of the Ministry of Water Resources, River Development and Ganga Rejuvenation.

SHANKAR IAS ACADEMY  
ZERO CURRENT AFFAIRS

## 15 MARK QUESTION

### 1. Discuss the Salient features of “DAM SAFETY BILL 2018”.

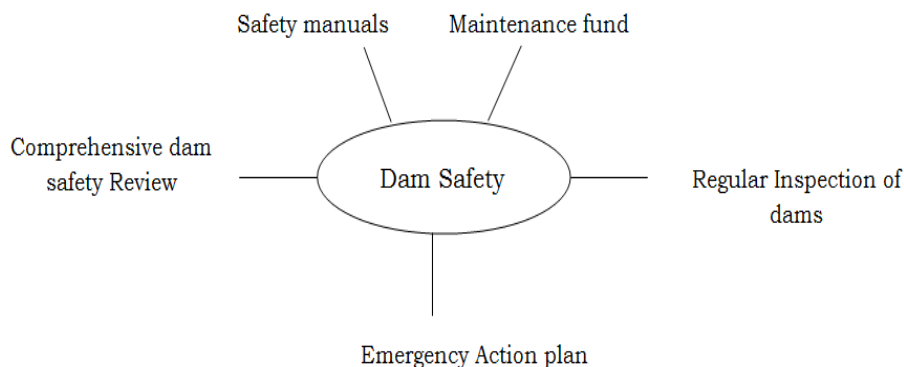
**Aim:** To develop uniform, country wide procedures for ensuring the safety of dams.

**Need for Bill:**

- (i) In India,
  - a. 75% of dams = 25 yrs old &
  - b. 164 dams = more than 100 yrs old.
- (ii) 36 dam failures Occur in India.
- (iii) To provide the dam safety, bill was passed.

The Bill empowers dam safety institutional set-ups (centre and state) for standardizing and improving dam safety practices across the country.

**Dam Safety:**



**Institutional Frame Work:**

**National Committee on Dam Safety (NCDS)**

- i) Evolve dam safety policies
- ii) Recommend necessary regulations

**National Dam Safety Authority (NDSA)**

- i) Regulatory body
- ii) Implement policy, guidelines and standards for dam safety.
- iii) Resolving Issue b/w
  - a. SDSO Vs. SDSO
  - b. SDSO Vs. Dam Owner (PSU)

**State Dam Safety Organisation (SDSO)**



- (i) Established by state governments
- (ii) Perpetual surveillance of dams
- (iii) Maintaining database of all dams

**State Committee on Dam Safety (SCDS)**

- (i) Reviewing the work of SDSO
- (ii) Assessing the potential impact on upstream and downstream states.

**Obligations of Dam Owners:**

- (i) Dam Safety Units should be created by dam Owners
- (ii) Unit inspects,
  - a. Before and after monsoon
  - b. During and after earthquake, flood

The bill provides for punishment or penalty for not adhering to the provisions of the bill.

## 30 MARK QUESTIONS

### 1. Write an essay on Indian Neutrino Observatory?

#### Neutrinos:

- (i) 2<sup>nd</sup> most abundant particles in the Universe.
- (ii) Hard to be detected because they interact very little and pass through everything
- (iii) Carry no electrical charge and nearly massless.
- (iv) Neutrinos can travel large distances without much interaction.
- (v) Occurs in 3 types based on mass
  - a. Electron-neutrino,
  - b. Muon-neutrino,
  - c. Tau-neutrino
- (vi) Neutrinos are produced in the core of the sun & millions of them roam around in the solar system.
- (vii) Key to understand the evolution of universe and energy production in the Sun and the stars.

#### Indian Neutrino Observatory:

- (i) Underground project, jointly supported by the Department of Atomic Energy (DAE) and the Department of Science and Technology (DST)
- (ii) Biggest experimental particle physics projects undertaken in India.
- (iii) National Centre for High Energy Physics at Madurai, for operation and maintenance
- (iv) Iron Calorimeter Detector (ICAL) which has the world's largest magnet.

#### Specifications of INO:

- (i) **The main cavern:** It has detectors which is 130m long, 26m wide and 30m high
- (ii) **Two smaller caverns:** for neutrino double detector and dark matters

- (iii) **Experiments performed:** Neutrino-less double beta decay and search for Dark matter.
- (iv) Underground laboratory at Pottipuram in Bodi West hills of Theni district which has 2-kms long tunnel

#### **Reason for choosing Pottipuram:**

- (i) To set up a neutrino detector, essential geographical requirements are:
  - a. 360 degree curve,
  - b. Rock-mass for at least a km,
  - c. Mountain feature which was at least a km
- (ii) As Pottipuram in Bodi Hills fulfills the above criteria, it has been chosen for the project.

#### **Significance of INO:**

- (i) **Neutrinos (blueprint of nature)** - To learn how matter evolved from simple particles into more complex composites.
- (ii) Encourage students to take up Science and Research profession.

#### **Applications of INO:**

- a. Revolutionize the existing understanding of astrophysics, astronomy and communication
- b. Enhance understanding of basic physical laws
- c. Role in nuclear non-proliferation through remote monitoring of nuclear reactor.
- d. To map natural resources inside the earth
- e. Helpful in understanding of dark matter
- f. **Neutrino Tomography:** Rapid analysis of geo-neutrinos (produced by radioactive decay of uranium, potassium and thorium in the earth's crust) by the monitoring systems, called Neutrino Tomography, could provide vital seismographic information & may help us detect early defect inside the earth
- g. Zero transmission loss in neutrino-based communication
- h. If there is any extra-terrestrial life (Alien), most effective way to communicate with them

### **Other neutrino study projects:**

- a. LAGUNA (Large Apparatus studying Grand Unification & Neutrino Astrophysics), Europe
- b. Hyper Kamiokande Detector at Kamioka Observatory, Japan
- c. DUNE (Deep Underground Neutrino) project, USA

## **2. Solid Waste Management Rules, 2016 – Elaborate.**

### **Introduction:**

- (i) Collection, transport, treatment and disposal of waste with monitoring and regulation.
- (ii) 3R's - Reduce, Reuse and Recycle.
- (iii) Polluter pays principle - polluting party pays for the impact caused to the environment

### **Components of Solid waste:**

- (i) **Construction and demolition Waste** – eg, wastes from building construction.
- (ii) **Plastic waste** - eg, polythene bags, plastic bottles
- (iii) **Biomedical waste** – eg, needles and syringes
- (iv) **Hazardous waste** – causes immediate danger to exposed individuals or environment.
- (v) **E-waste** – eg, Printed Circuit Board (PCB), mobile phones

### **Need for Solid Waste Management:**

- (i) **62 Million tons of waste is generated annually:**
  - a) 5.6 Million Tonnes are plastic waste,
  - b) 0.17 Million Tonnes are biomedical waste,
  - c) 7.90 Million Tonnes are Hazardous waste
  - d) 15 lakh Tonnes are e-waste.
- (ii) Per capita waste generation from 200 grams to 600 grams per day.
- (iii) In 2030, 165 million tonnes of waste generation will be expected
- (iv) So, proper legislation for waste management is needed

## **Major highlights of the New SWM Rules, 2016**

### **1) Segregation at source**

#### **(i) Segregate waste into three streams:**

- a) Biodegradables (food wastes)
- b) Dry (plastic, paper, metal, wood, etc.) and
- c) Domestic Hazardous waste (diapers, cleaning agents)

(ii) Provision for composting / biomethanation process for biodegradable waste generated in hotels.

### **2) Collect Back scheme for packaging waste:**

(i) Manufacturers are responsible for recollecting Non - biodegradable packaging wastes

### **3) Waste processing and treatment**

(i) Bio-degradable waste should be processed, treated and disposed through composting or bio-methanation

(ii) Industrial areas (Special Economic Zone) must allocate atleast 5% of total area for recycling facility.

(iii) Local bodies (1 million populations) have to set up the waste processing facilities

(iv) Bio - remediation to done at old and abandoned dump sites.

### **4) Promoting use of compost**

(i) Department of Fertilizers promotes compost with chemical fertilizers.

### **5) Promotion of waste to energy**

(i) Industrial units should generate 5% of their fuel requirement from waste based Refuse-Derived Fuel (RDF) plant.

(ii) Ministry of New and Renewable Energy Sources should facilitate infrastructure creation for Waste to Energy plants and provide appropriate subsidy.

(iii) Ministry of Power should fix tariff and compulsory purchase of power generated from waste to energy plants by discoms.

### **6) Management of waste in hilly areas**

(i) Construction of sanitary landfills for dumping wastes from hilly areas should be located in a plain area within 25 kilometers.

**Constitution of a Central Monitoring Committee:**

- (i) Chairman - Secretary, MoEF&CC
- (ii) Stakeholders from the Central and State governments will meet once a year to monitor the implementation of the rules.

**Limitations of Solid waste management rules:**

- (i) No strict penalty for poor implementation.
- (ii) Lack of decentralized waste management.
- (iii) Neglect of informal sector.
- (iv) Less emphasis on behavioral change of people when it comes to domestic waste generation

SHANKAR IAS ACADEMY  
ZERO CURRENT AFFAIRS