



greenhouse gases - Carbon dioxide, Methane, Nitrous oxide | main object of the group has been to fully understand the carbon cycle | currently chaired by Rob Jackson of Stanford University.

3. **African Baobab Tree** | are deciduous trees ranging in height from 5 to 20 meters | is one of the nine species of baobab and is native to mainland Africa. They are also found in African Savannah | is a succulent, which means that during the rainy season it absorbs and stores water in its vast trunk, enabling it to produce a nutrient-dense fruit in the dry season when all around is dry and arid | can live for more than a thousand years and provide food, livestock fodder, medicinal compounds, and raw materials | recent study published in the journal Scientific Reports has found that the tree 'African Baobab' has 168 chromosomes.
4. **CSIR-CMERI has developed the World's Largest Solar Tree which is installed at CSIR-CMERI Durgapur, West Bengal** | installed capacity of the Solar Tree is above 11.5 kWp | an annual capacity of generating 12,000 to 14,000 units of Clean and Green power | aligned with agriculture to substitute price volatile fossil fuels. One solar tree can reduce ten to twelve tonnes of carbon dioxide emissions. Also, the surplus power from these trees can be fed to the energy grids.
5. **Coal Gasification** | is the process of producing syngas from coal and water, air and/or oxygen, a mixture consisting primarily of Carbon monoxide (CO), Hydrogen (H₂), Carbon dioxide (CO₂), Natural gas (CH₄), Water vapor (H₂O) | syngas can be used in a variety of applications such as in the production of electricity and making chemical products such as fertilisers | hydrogen obtained from coal gasification can be used for various purposes such as making ammonia, powering a hydrogen economy or upgrading fossil fuels | is one of the more water-intensive forms of energy production. There are concerns about water contamination, land subsidence and disposing of waste water safely.
6. **Green Term Ahead Market (GTAM)** | is the first Exclusive product for the Renewable energy (RE) sector in the world that aims to benefit buyers of RE through competitive prices and transparent and flexible procurement | Sellers will also be benefitted by getting access to Pan India Market | Transactions through GTAM will be bilateral in nature | contracts will be segregated into Solar RPO & Non-Solar RPO | Daily & Weekly Contracts | Price discovery will take place on a continuous basis | Energy scheduled through GTAM contract shall be considered as deemed RPO compliance of the buyer.
7. **Green Bee-Eater** | is dainty (16-18 cm), bright green in plumage, slender-bodied, with blood-red eyes | are quite widespread and are resident (with slight seasonal movements locally) across the country | vast range stretches from Mauritania in West Africa, to sub-Saharan Africa, as well as the Middle East and India as far in the north as Nepal | IUCN - Least Concern.