The Ascender
Newsletter
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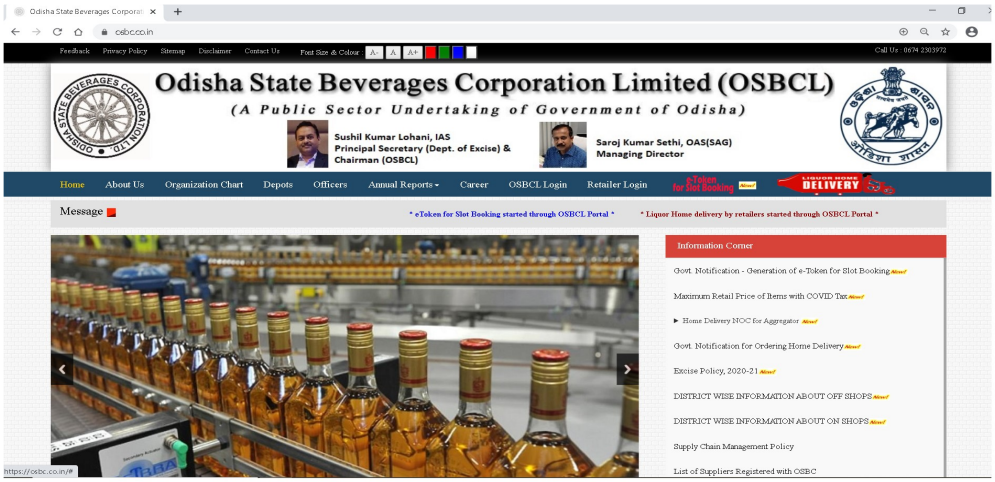

Screenshot of Portal of OSBCL developed by NIC, Odisha

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"To me there has never been a higher source of earthly honor or distinction than that connected with advances in science."

- Sir Isaac Newton

InSight

OSBCL facilitates online booking and home delivery of beverages

Keeping in view of the Covid-19 pandemic and Nation wide lockdown and Citizen request for home delivery of liquor, Odisha Government allowed home delivery of Liquor in the State by the retailers directly and also through agencies like food aggregators.

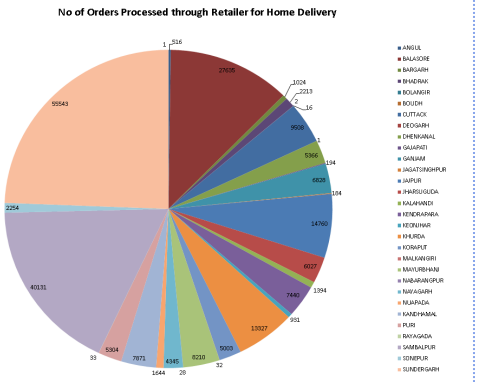
NIC, Odisha has developed a web based, mobile compatible, Liquor home delivery Module and hosted in the Portal https://osbc.co.in to facilitate home delivery of liquor. Till 30th June' 2020, total orders executed is 2,44,511.

In order to regulate crowd at the liquor shops, an online system for generation of e-Token for slot booking has been developed by NIC, Odisha for making

prior appointment to visit the shops. This service started from 1st July 2020 on the portal https://osbc.co.in under the link "e-Token for Slot Booking."

In order to regulate crowd at the OSBCL Depots, an online system for generation of purchase order by the retailers for lifting the liquor items from the Depot has been developed by NIC, Odisha for making prior appointment to visit the Depots.

Help Desk has been setup with Toll Free Helpdesk number 1800 345 6770 / 155335 for all type of queries related to e-Retailer by the Citizen.



SpotLight

NIC District Centres support Administrations through TMC Management Systems

During Nation-wide lockdown, to check the spreading of COVID 19 Pandemic, tackling the situation aroused due to sudden inflow of migrant non-resident citizen of State, was a big challenge for the District Administrations. NIC, Subarnapur and NIC, Kalahandi have come up with innovative IT enabled initiatives to help their respective District Administration to tackle the issue.

NIC, Subarnapur designed and developed a web based application (https://covidtmcsubarnapur.in) for registration and monitoring of returning Migrants at 289 number of TMCs (Temporary Medical Camps) of the district, during COVID-19.

This application provides a platform for registration of migrants coming from other states or even from other districts of Odisha to Subarnapur. At TMC level,

Screenshot of TMC Management System developed at NIC, Kalahandi

verification and updation of migrants' data are done for the purpose of transfer / feedback or relieve on completion of quarantine period.

In Kalahandi, over 630 TMCs, having 20,000 plus capacity, have been managed through TMC Management System, developed by NIC, Kalahandi.

TMCs are in different Gram Panchayats and urban bodies. The TMC Management System enables District administration to monitor the Status of TMCs, its Capacity and filled / vacant positions. Migrant's details, their entry and exit date and other related information like mobile number and address etc. can be viewed in the system. Data entry is done at each Block point. Reports are visible online everywhere with sensitive data being masked.

Epitome

NIC : The Backbone of Digital India

DG, NIC in the Webinar conducted by Elets Technomedia

Acknowledging the immaculate support provided by NIC at District, State and National levels, Dr. Neeta Verma, Director General of NIC had delivered a talk on a Webinar Session on NIC's contribution during this unprecedented COVID 19 pandemic period. The event organized by Elets Technomedia. She had a deliberations on how NIC Officers been involved with District Administration and State Government departments for provisioning IT solutions. Few such services, namely, Management of Quarantine facility, Surveillance of COVID cases for virus containment, Hospital Management, Financial Aid to Drivers through DBT (Govt of Delhi), Application for people in distress and struck during lockdown (Jharkhand), RT-PCR App, Covid99CC app and numerous other States COVID related applications during the crisis. Further she focused on how NIC's VC system, eOffice application and mail service have helped the government for effective communication and file monitoring during the pandemic period. The Work From Home (WFH) protocol designed and developed by NIC certainly enriches good governance in decision making and service delivery. DG, NIC, the Mission Leader of Aarogya Setu App also explained the working modalities, security features, and usage pattern of the MobileApp.

Resonance

Website of Lokayukta, Odisha inaugurated

Inauguration of Website of Lokayukta, Odisha

Hon'ble Shri Justice Ajit Singh, Chairperson, Lokayukta, Odisha inaugurated the website of Lokayukta, Odisha https://lokayukta.odisha.gov.in, in the presence of Hon'ble Shri Justice B K Nayak, Member, Dr. Debabrata Swain, Member and Dr. R P Sharma, Member.

Inaugurating the website Hon'ble Chairperson wished that the website will ensure availability of information about the functioning and role of the Lokayukta in the remotest parts of the state and will also ensure easy access by the citizens of the state to the office of the Lokayukta.

The daily Cause lists, the status of complaints and Orders of the Lokayukta are available in the website. Links to other important websites alongwith contact information of the office of the Lokayukta, Odisha is also available in the website.

TechTalk

IPv6 : An Internet address for Every 'Thing'

Each device on the Internet is assigned an unique IP address for its identification. IPv4, uses a 32-bit addressing scheme to support around 4.3 billion devices, which was a very big number at some time.

However, with the growth of internet, the use of personal computers, smartphones and Internet of Things (IoT) devices demanded that, the world needs much more addresses to accommodate all gadgets in one networking system.

Thus, Internet Protocol Version 6 (IPv6) was designed. IPv6 is a network layer protocol that enables data communications over a packet switched network. It uses 128-bit addressing system, that enables 2^{128} addresses available for use. The numeric value of this exponential is :

340,282,366,920,938,463,463,374,607,431,768,211,456.

That means these many devices could be connected with individual IP addresses.

Three types of IPv6 addresses are used (i) Unicast - An identifier for a single interface, (ii) Anycast - An identifier for a set of interfaces and (iii) Multicast - An identifier for a group of nodes.

The IPv6 system enables internet service providers to reduce the size of their routing tables by making them more hierarchical. This protocol can handle packets more efficiently, improve performance and enhance security.

IT by Tea

A **Honeypot** is a modern computer security tool installed in weakly configured virtual machines to attract malware which already entered in to a network, so that it can do early detection of those malware and record their activities in a very stepwise manner. This not only helps in detecting the malicious code already penetrated into network at an early stage but also report about any zero day vulnerabilities before the malware gets an opportunity to do bigger damage to our real system. Some of the Open source Honeypot software are "Honey Drive" and "MHN" which can be used to create Honeypot VMs.

....delivering non-essential items are now easy... but, without her it would be difficult for me to convince at every point that I make home delivery of Milk..