

I/3005409/2018

Government of India
Ministry of Communications
Department of Telecommunications
Sanchar Bhawan, 20, Ashoka Road
New Delhi-110 001

New Delhi, Dated the 18/07/2018

Subject: Compilation of various GoI Guidelines for development of Web-based portal.

Kindly find enclosed herewith compilation of various GoI Guidelines for the development of a web based portal for information/ necessary action.

2. This is issued with the approval of DDG(IT).

Enclosure: As Above

Signature Not Verified
Digitally signed by VINAI
KUMAR KANAUJIA
Date: 2018.07.18 09:58:05 IST

(Vinai Kumar Kanaujia)
Director (IT-II)
Tel: 23036509

To:

1. All Sr. DDG/DDG/JS level officers of DoT HQ.
2. Heads of all Attached Offices/ Subordinate Offices/ Field Offices/ Autonomous bodies/ Statutory bodies

Copy to:

1. PSO to Secretary (1)
2. Sr PPS/ PPS to Member(S), Member (T), Member (F), Special Secretary (1)
3. Sr PPS/ PPS to DGI, CGCA
3. Sr PPS/ PPS to Advisor (O), Advisor (T), Advisor (F)

Compilation of various GoI Guidelines for development of Web-based portal

Sl	Subject	Date	Weblink
1	Hosting of Government related Websites on private servers	17.07.2007	https://registry.gov.in/Mha_om-website-hosting.pdf
2	eSign – Online Digital Signature Service	27.03.2015	http://dot.gov.in/sites/default/files/2015%2003%2020%20eSign-Online%20Digital%20Signature%20Service.pdf
3	Guidelines for allocation of registration under GOV.IN domain	06.04.2015	https://registry.gov.in/guidelines.pdf
4	Hosting of Websites and applications on NIC Cloud (MeghRaj)	09.04.2015	http://dot.gov.in/sites/default/files/2015%2004%2009%20Hosting%20of%20websites%20and%20applications%20on%20NIC%20Cloud%20-%20Meghraj.pdf
5	Approval of Approach and Key Components of e-Kranti: National e-Governance Plan(NeGP) 2.0	08.05.2015	http://meity.gov.in/writereaddata/files/Office%20Memorandum%20on%20e-Kranti.pdf
6	Sensitization on compliance of IT Act, 2000 and Aadhaar Act, 2016 while Data Sharing in the Departmental Websites	03.05.2017	http://dot.gov.in/sites/default/files/Letter%20for%20Sensitization%20for%20IT%20Act%20etc.pdf
7	General guidelines for securing Identity information and sensitive personal data	22.05.2017	http://dot.gov.in/sites/default/files/2017_05_26%20Circulation%20Letter%20for%20Security%20of%20Information.pdf
8	Guidelines-checklist for secure application development & secure IT Infrastructure	25.07.2017	http://dot.gov.in/sites/default/files/2017_07_25%20DoT%20Units%2BAnnex.pdf
9	Availing Cloud Services From MeitY empanelled Cloud Service Providers	05.12.2017	http://dot.gov.in/sites/default/files/CSPs.pdf http://meity.gov.in/content/gi-cloud-meghraj
10	Guidelines for Development of eGovernance Applications (GuDApps)	09.02.2018	http://dot.gov.in/sites/default/files/2018_02_09%20GuDApps%20Guidelines%20Endorsement.pdf http://gudapps.guidelines.gov.in/theme/images/download/guidelines.pdf
11	Policy on Adoption of Open Source Software for GoI and Framework for adoption of OSS in eGovernance applications	01.06.2018	http://dot.gov.in/sites/default/files/2018_06_01%20OSS%20Policy%20of%20GoI%20for%20Adoption.pdf
12	Implementation of Guidelines for Indian Government Websites (GIGW) 2nd Edition	21.06.2018	http://dot.gov.in/sites/default/files/2018_06_21%20Endorsement%20GIGW%20Ed2%20to%20DoT%20Units.pdf

Compilation of various GoI Guidelines for development of Web-based portal

13 Security Audit

- a) The **Website/ Webportal** is to be Security Audited by the CERT-In empanelled auditor. Additionally by Cyber Security division of NIC in case hosting is done by NIC on MeghRaj
- b) Site may be hosted with privileges of Read (Entire Website), write Permissions to specific files.
- c) Site is to be deployed over TLS (Latest Version) for the hosted equivalent of the URL
- d) The production server should be security hardened across all the levels viz OS, Web Server, hosting framework as per **Server Security Policy, GOI**
- e) Re-audit is to be conducted in case of any addition/ change in the dynamic content of the application or whenever the validity of Security Certificate is expired, whichever is earlier (**As per Website/ Webportal Audit policy**). Further, it is to be ensured that Security Audit certificate is always valid
- f) The url is <https://security.nic.in/>

14 Payment Gateway

- a) Integration with Bharatkosh(Non-Tax Revenue Portal).
- b) The url is <https://bharatkosh.gov.in/>

15 Authentication of Transactions/ Decisions

- a) Digital Signature Certificate(DSC) – Class 2 as well as eSign – Aadhaar based Online Digital Signature Service
- b) For eSign services integration is to be done with eSign Service provider (Authorized by controller of Certifying Authority, MeitY)
- c) The url is <http://www.cca.gov.in>

16 Email and SMS Gateway Integration

- a) Integration with SMTP Gateway Services (Relay) of NIC
- b) Integration with SMS Gateway of NIC
 - **PUSH:** To send SMS from application to mobile using API(A2M)
 - **PULL:** To send SMS from mobile to application using API(M2A)
 - **OBD:** To send phone call (voice message) from application to subscriber
 - **MISSED CALL:** Allows missed call on a predefined number to subscribe or avail a service
 - **OTP SERVICE:** High priority SMS sent through application using SMS API
- c) Email id & Mobile mandatory for registration
- d) Email id & Mobile verification through OTP
- e) DoT/ WPC user email domain restricted to @gov.in and @nic.in