

**NOTES:-** After getting the scanned copy of the registration form duly signed, SMS Support will provide uid, password and Sender ID per application to the application administrator.

### Steps for integrating applications with SMS gateway

1. **PUSH:** Where application sends notifications, alerts, information to the users through SMS. Here, application initiates the request by calling HTTP API. Following are the steps to integrate application for PUSH.
  - a. Go to <http://inoc.nic.in>.
    - i. Go to the **SMS Gateway Services NICNET** at the left bottom of the page.
    - ii. Go to **Download sample code**.
  - b. Replace the **uid, password** and **Sender ID** with those given to you from SMS Support in the downloaded code.
  - c. Code mainly calls following HTTP API:-
    - i. [https://msgw.nic.in/sendsms\\_nic/sendmsg.php?uname=xxx1&pass=xxx2&send=xxx3&dest=xxx4&msg=xxx5](https://msgw.nic.in/sendsms_nic/sendmsg.php?uname=xxx1&pass=xxx2&send=xxx3&dest=xxx4&msg=xxx5)
    - ii. If you are writing any code in languages other than php,.Net and java then you will have to google and find out the way to how to call HTTP URL in that language.
    - iii. Integrate the security certificate of <https://msgw.nic.in> with your application. Only then you can call above api.
    - iv. If unable to integrate Security Certificate with the application, then for the first phase of deployment you can use the following api:-  
[http://msgw.nic.in/sendsms\\_nic/sendmsg.php?uname=xxx1&pass=xxx2&send=xxx3&dest=xxx4&msg=xxx5](http://msgw.nic.in/sendsms_nic/sendmsg.php?uname=xxx1&pass=xxx2&send=xxx3&dest=xxx4&msg=xxx5)
    - v. Replace xxx1,xxx2,xxx3 by uid, password and Sender ID given to you by SMS Support.
    - vi. Replace xxx4 by 10 digit mobile number preceded with 91 and xxx5 with message.
  - d. If you want to send SMS to multiple number in one go, you can do that by putting all those numbers separated by “;” in **dest parameter** of above api.
  - e. Please note that maximum numbers that can be inserted with a “;” separator is 100.
  - f. If message length is greater than 160 then put concat=1 in the HTTP API, as shown below:-  
[https://msgw.nic.in/sendsms\\_nic/sendmsg.php?uname=xxx1&pass=xxx2&send=xxx3&dest=xxx4&msg=xxx5&concat=1](https://msgw.nic.in/sendsms_nic/sendmsg.php?uname=xxx1&pass=xxx2&send=xxx3&dest=xxx4&msg=xxx5&concat=1)
  - g. If message length is less than or equal to 160 then there is no need of concat. By default it is 0.
  - h. One more thing to note, that **find out the message length before encoding it**.
  - i. Calling HTTP API returns MID(Message ID), MID is an acknowledgement that SMS has been sent.

- j. If on calling HTTP API, you get **connection timed out** , then contact CSD(cyber security division) and confirm **whether IP from which you are hitting msggateway is allowed to reach sms gateway or not.**
  - k. **If you get SSL error, then security certificate is not properly integrated, try using HTTP API and meanwhile find out the way to integrate Security certificate of sms gateway with application.**
2. **PUSH & PULL both:** Where user sends SMS to a number(10 digit Number called Virtual Number) in a particular format at his own cost and gets the response back from the respective application server. Follow the following steps for this service:-
- a. SMS Support will provide Keyword and VirtualNumber(VN) to the application admin.
  - b. Format of the SMS sent by user to VN. **Keyword <blank space> Cotent of the Message** which information needs to be fetched from the application server.
  - c. For ex: Cbse <roll number>. On sending the above SMS to the VirtualNumber, user will receive back the complete result of the roll number provided.
  - d. PULL, admin will have to create a web page with the capabilities to capture parameters passed in its URL. SMS Gateway will forward the incoming message details as parameters to the URL. Web page must capture the following parameters:-  
Sender = The mobile number from which the message is initiated.  
Destination = The mobile number to which the message was sent.  
Message = Complete SMS without Keyword.  
Time = The time when the message was sent.
  - e. For Instance, the user creates a page xyz.aspx/xyz.php in their domain www.abc.com. We will forward a message by hitting the following url:-  
<https://www.abc.com/xyx.aspx?Sender=919999999999&Destination=919888888888&Message=Tesing&Time=yyyy-mm-dd 00:59:09>
  - f. Above page such as xyz.php/xyz.aspx must call HTTP PUSH API by placing the **retrieved information in the msg parameter** and **Sender number in the dest parameter** of the HTTP API.

**NOTE:- You can take the help of codes at <http://inoc.nic.in> for PUSH and PULL both the services.**

**FOR ANY CLARIFICATIONS PLEASE DROP A MAIL TO [smssupport@nic.in](mailto:smssupport@nic.in).**