Today I am going to show how to send SMS using Grameenphone's API.

What I Used to built my application:

1. JAVA
2. NetBeans IDE 6.7

At first go to www.aloashbei.com and register there. This registration is required because it gives you a **username** & **password** in respect to your **mobile no**. This username & password is used in our application.

Let's start. Open NetBeans IDE. Create an empty **Java Application Project**. Now we need to add a **Web Service Client** in our project.

Be sure our working project is set as **Main Project**. To do so right click on the Project Name in the Project Browser's window and Select **Set as Main Project**.

Now go to **File Menu >New File** a window opens.....

For

**Categories** select > **Web Services**

**File Types** select > **Web Service Client**

Click **Next > WSDL and Client Window** Appears.....

Select **WSDL URL** and paste there:

**https://www.aloashbei.com.bd/API/GP.ADP.BizTalk.SMS.Orchestrations/WebService_GP_ADP_BizTalk_SMS_Orchestrations.asmx?wsdl**

Rest Will be same. Click **Finish**.

Now you need to import some packages from that web service to use in your application. Here is my completed code for **NewClass.java** :-

```
import com.grameenphone.playground.*;
import com.grameenphone.*;
import
com.grameenphone.sendsmsrequest_xml.SendSMSReques
t;

public class NewClass{

public static void main(String[] args) {
String regID = "yourUsername"; //put your aloashbei.com
username here
String passWord = "yourPassword"; // put your
aloashbei.com password here
String fromMSISDN = "8801746743391"; //put your GP
mobile no. here
String toMSISDN = "8801746743391"; //put recipient’s GP
mobile no. here
String smsPort = "5001"; //default port No.
double charge = 0.00; //this is why the SMS is free now

int msgType = 4; //4 is used for text sending; there are
some others
String contentArea = "test";
String msgContent = "hi, this is my first software using gp
API, i can send sms free..:)";

try {
WebServiceGPADPBizTalkSMSOrchestrations service =
new WebServiceGPADPBizTalkSMSOrchestrations();
WebServiceGPADPBizTalkSMSOrchestrationsSoap port =
service.getWebServiceGPADPBizTalkSMSOrchestrationsS
oap();

SendSMSRequest messageRequest = new
SendSMSRequest();

messageRequest.setRegistrationID(regID);
messageRequest.setPassword(passWord);
```

```
messageRequest.setSourceMsisdn(fromMSISDN);
messageRequest.setDestinationMsisdn(toMSISDN);
messageRequest.setSmsPort(smsPort);
messageRequest.setMsgType(msgType);
messageRequest.setCharge(charge);

messageRequest.setChargedParty(fromMSISDN);
messageRequest.setContentArea(contentArea);
messageRequest.setMsgContent(msgContent);

sendsmsresponse_xml.schemas.biztalk.adp.gp.SendSMSRe
sponse result = port.sendSMS(messageRequest);

System.out.println("Result = " + result.getStatus() + " " +
result.getMsgID()); //It shows message sending result…
} catch (Exception ex) {
ex.printStackTrace();
}
}
}
```

Now one important thing to do is changes in two files:

1. Double Click on the marked two files:
2. Replace **http://192.168.100.169/API/GP.ADP.BizTalk.SMS.Orchestrations/WebService_GP_ADP_BizTalk_SMS_Orchestrations.asmx** by **https://www.aloashbei.com.bd/API/GP.ADP.BizTalk.SMS.Orchestrations/WebService_GP_ADP_BizTalk_SMS_Orchestrations.asmx** in both of the files
3. Now **Clean & Build** and **Run NewClass.java** to send SMS to a specific GP No. Be careful, in your every successful run it will send a SMS K. For test purpose you can use your mobile no. in both sender and receiver's mobile # field.  There is a limitation in SMS sending/day. Probably it is 50 SMS/day. Hope it runs successfully. Cheers!