**4.2 Requirements Specification Results**

The server installation option chosen for this system to work was to subscribe a paid web hosting service from any reliable web hosting companies available in the internet. Costing was the main factor for this decision. This server will then be the main base of the operation of the TAMIS.

The current SMS gateway service chosen by the proponents is Clickatell. Clickatell is said to be the largest online SMS Gateway in the world covering 962 networks in 224 countries and territories. They deliver carrier-grade mobile messaging solutions which is being used by enterprises, government, small and medium business customers and application developers.

This SMS gateway is needed for the core function of the TAMIS which is the SMS alert function. A Code sample of the HTTP/S or PHP API is shown below.

Code Sample:

<?php

$user = "user";

$password = "password";

$api\_id = "xxxxxxx";

$baseurl ="http://api.clickatell.com";

$text = urlencode("This is an example message");

$to = "00123456789";

// auth call

$url = "$baseurl/http/auth?user=$user&password=$password&api\_id=$api\_id";

// do auth call

$ret = file($url);

// explode our response. return string is on first line of the data returned

$sess = explode(":",$ret[0]);

if ($sess[0] == "OK") {

$sess\_id = trim($sess[1]); // remove any whitespace

$url = "$baseurl/http/sendmsg?session\_id=$sess\_id&to=$to&text=$text";

// do sendmsg call

$ret = file($url);

$send = explode(":",$ret[0]);

if ($send[0] == "ID") {

echo "successnmessage ID: ". $send[1];

} else {

echo "send message failed";

}

} else {

echo "Authentication failure: ". $ret[0];

}

?>

This block of code is used to send SMS via Developers Central with PHP. To use this block of code, the components first have to register for an HTTP API account which will conveniently and automatically give 10 FREE SMS credits to try their service.