

SMSGatewayHub

HTTP API Complete Guide

Including DLT Error Codes & SMSC Error Reference

API Version 3.2 | [msggatewayhub.com](https://www.msggatewayhub.com)

Base URL	https://www.msggatewayhub.com/api/mt/SendSMS
Protocol	HTTP / HTTPS (POST recommended)
Auth	APIKey (from Panel > WebAPI > APICodes)
Response	JSON
Support	support@msggatewayhub.com 9907922122 Press 112

Table of Contents

1. Introduction & API Overview
2. Authentication & API Key
3. API Tips & Best Practices
4. Parameter Reference
 - 4.1 Account Parameters
 - 4.2 Message Parameters
 - 4.3 DLT Parameters (Mandatory for India)
 - 4.4 Text Length Guide
5. Messaging APIs
 - 5.1 Single Message (GET/POST)
 - 5.2 Bulk / Multiple Message
 - 5.3 Schedule SMS API
 - 5.4 Group SMS API
 - 5.5 XML API (POST Method)
 - 5.6 Shortlink API
6. Group Management APIs
 - 6.1 Get All Groups
 - 6.2 Add New Group
 - 6.3 Add Numbers to Group
7. Delivery & Balance APIs
 - 7.1 Check Single Delivery
 - 7.2 Check Multiple Delivery (MIS)
 - 7.3 Check Balance
8. API Error Codes (SMSGatewayHub)
9. DLT Error Codes — Platform Level (600–7xxx)
10. SMSC / Operator Error Codes (0–9xxx)
11. Quick DLT Error Lookup — Most Common Codes
12. Special Character Encoding Reference

1. Introduction & API Overview

This document provides a complete reference for integrating with the **SMSSGatewayHub HTTP API v3.2**. The HTTP/HTTPS interface allows developers to send SMS messages (plain text, Unicode, Flash) via GET or POST requests. This guide also includes a consolidated DLT (Distributed Ledger Technology) error code reference required for all commercial messaging in India under TRAI regulations.

2. Authentication & API Key

Obtain your API Key from:

Panel → WebAPI → APICodes

URL: <https://www.msggatewayhub.com/Panel/WebAPI/APICodes.aspx>

Use the **APIKey** parameter instead of username/password for all API requests. An optional IP validation feature is available for added security via a Global Static IP.

3. API Tips & Best Practices

POST vs GET	Always use POST method for better performance and reliability. URL encoding is NOT required for POST; it IS required for GET.
URL Encoding	If using GET and messages appear garbled, ensure special characters are URL-encoded (UTF-8).
Content-Type	For XML and JSON POST APIs, set Content-Type to application/json or text/xml as appropriate.
IP Restriction	Enable IP validation in your account panel for additional security.
DLT Compliance	All commercial SMS in India requires DLT registration. Pass EntityId, dltemplateid, and telemarketerid with every request.
Debug Support	SMSSGatewayHub engineers provide debug support. Contact: support@msggatewayhub.com

4. Parameter Reference

4.1 Account Parameters

Parameter	Type	Required	Description
APIKey	String	Required	Your unique API key for authentication. Replaces username/password.

4.2 Message Parameters

Parameter	Type	Required	Description
senderid	String	Required	Approved 6-character sender ID as per DLT registration. E.g. WEBSMS
channel	Integer	Required	1 = Promotional, 2 = Transactional
DCS	Integer	Required	0 = English (GSM7), 8 = Unicode (Hindi, Marathi, Punjabi, etc.)

flashsms	Integer	Optional	0 = Normal SMS (default), 1 = Flash SMS (immediate display)
number	String	Required	Destination mobile number(s). For bulk, separate with commas. Include country code (91xxxxxxxxx).
text	String	Required	SMS message content. URL-encode for GET requests.
route	Integer	Optional	Route ID. Default = 1. Contact support for available routes.
schedtime	DateTime	Optional	Schedule delivery: format yyyy/mm/dd hh:mm:ss PM e.g. 2024/12/31 10:30:00 PM
groupid	Integer	Optional	Send to a contact group. Provide the group ID.

4.3 DLT Parameters — Mandatory for India (TRAI Compliance)

IMPORTANT: All commercial SMS in India must include DLT parameters as mandated by TRAI. Failure to include these will result in DLT error codes (600–7xx series).

Parameter	Type	Required	Description
EntityId	String	Required	Your registered Entity ID (Principal Entity ID) from the DLT portal.
dltemplateid	String	Required	The DLT-approved Template ID matching your SMS content exactly.
telemarketerid	String	Required	Your registered Telemarketer ID (TMID) from the DLT portal.

4.4 Text Length / SMS Part Guide

Character Count	Credits Used
1–160	1 SMS credit
161–306	2 SMS credits
307–459	3 SMS credits
460–612	4 SMS credits
613–765	5 SMS credits
766–918	6 SMS credits
919–1071	7 SMS credits
1072–1224	8 SMS credits
1225–1377	9 SMS credits

Note: Unicode messages (DCS=8) use 70 characters per SMS credit.

5. Messaging APIs

5.1 Single Message API

Send a single SMS to one mobile number. Supports GET and POST methods.

Request URL:

```
https://www.msggatewayhub.com/api/mt/SendSMS?APIKey=yourapikey&senderid=TESTIN&channel=2&DCS=0&flashsms=0&number=91989XXXXXX&text=Test+message&route=1&EntityId=XXXXX&dltemplateid=XXXXX&telemarketerid=XXXXX
```

Tip: For POST, pass all parameters as JSON body. Content-Type: application/json

Response (JSON):

```
{ "ErrorCode": "000", "ErrorMessage": "Success", "JobId": "375874747", "MessageData": [ {  
  "Number": "919876543210", "MessageId": "5wdgc55XPEyx600NsC04tg", "Message": "Your message text"  
} ] }
```

5.2 Bulk / Multiple Message API

Send the same SMS to multiple mobile numbers in a single API call.

Request URL:

```
https://www.msggatewayhub.com/api/mt/SendSMS?APIKey=yourapikey&senderid=TESTIN&channel=2&DCS=0&flashsms=0&number=91989XXXXXX,91999XXXXXX&text=Test+message&route=1&EntityId=XXXXX&dltemplateid=XXXXX&telemarketerid=XXXXX
```

Separate multiple numbers with commas in the number parameter.

Response (JSON):

```
{ "ErrorCode": "000", "ErrorMessage": "Success", "JobId": "2369xx549", "MessageData": [ { "Number":  
  "91989XXXXXX", "MessageId": "js5INguVLxxxxQt6xrtw", "Message": "Test" }, { "Number":  
  "91999XXXXXX", "MessageId": "r0evDxWxxxxxxqoECLDA", "Message": "Test" } ] }
```

5.3 Schedule SMS API

Schedule an SMS to be sent at a future date and time.

Request URL:

```
https://www.msggatewayhub.com/api/mt/SendSMS?APIKey=yourapikey&senderid=TESTIN&channel=2&DCS=0&flashsms=0&number=91989XXXXXX&text=Test+message&schedtime=2024/12/31+22:35:00+PM&route=1
```

schedtime format: yyyy/mm/dd hh:mm:ss PM (e.g. 2024/12/31 10:30:00 PM)

Response (JSON):

```
{ "ErrorCode": "000", "ErrorMessage": "Success", "JobId": "20047" }
```

5.4 Group SMS API

Send an SMS to all numbers in a saved contact group.

Request URL:

```
https://www.msggatewayhub.com/api/mt/SendSMS?APIKey=yourapikey&senderid=TESTIN&channel=2&DCS=0&flashsms=0&number=91989XXXXXX&text=Test+message&groupid=###&route=1
```

Replace ### with your actual group ID. Retrieve group IDs via the Get All Groups API.

Response (JSON):

```
{ "ErrorCode": "000", "ErrorMessage": "Success", "JobId": "20047" }
```


5.5 XML API (POST Method)

POST to: <https://www.smsgatewayhub.com/api/mt/SendSms>

```
<SmsQueue><Account> <APIKey>yourapikey</APIKey> <SenderId>WEBSMS</SenderId> <Channel>2</Channel>
<DCS>0</DCS> <FlashSms>0</FlashSms> <Route>1</Route> </Account> <Messages><Message>
<Number>919198765XXXXX</Number> <Text>Hello World</Text> </Message></Messages> </SmsQueue>
```

For schedule: add <SchedTime>schedule time</SchedTime>

For group: add <GroupId>group id</GroupId>

Response (JSON):

```
{ "ErrorCode": "000", "ErrorMessage": "Success", "JobId": "375874747", "MessageData": [ {
"Number": "919876543210", "MessageId": "5wdgc55XPEyx600NsC04tg", "Message": "Your message text" }
] }
```

5.6 Shortlink API

Embed trackable short URLs in your SMS. Reference links using #Link1#, #Link2# etc.

```
<SmsQueue><Account> <User>userID</User> <Password>Password</Password> <SenderId>SMSSHUB</SenderId>
<Channel>Trans</Channel> </Account> <Messages><Message> <Number>91XXXXXXXXXX</Number> <Text>Hello
#Link1# and #Link2#</Text> </Message></Messages> <Links>
<Links><Link>www.google.com</Link></Links> <Links><Link>www.youtube.com</Link></Links>
</Links></SmsQueue>
```

6. Group Management APIs

Note: Use POST method with Content-Type: application/json for all Group APIs.

6.1 Get All Groups

Retrieve all contact groups in your account.

Request URL:

```
https://www.msggatewayhub.com/api/group/getallgroups?APIKey=yourapikey
```

Response (JSON):

```
{ "Status": true, "Result": [ { "GroupId": 10, "GroupName": "Test" } ] }
```

6.2 Add New Group

Create a new contact group.

Request URL:

```
https://www.msggatewayhub.com/api/group/addnewgroup?APIKey=yourapikey&GroupName=MyGroupName
```

Returns the new GroupId on success.

Response (JSON):

```
{ "Status": true, "Result": "Success:22358" }
```

6.3 Add Numbers to Group

Upload mobile numbers to an existing group.

Request URL:

```
https://www.msggatewayhub.com/api/group/uploadcontacts?APIKey=yourapikey&GroupName=MYNEWGROUP&Numbers=91XXXXXXXXXX,91XXXXXXXXXX
```

Response (JSON):

```
{ "Status": true, "Result": "Numbers added to group." }
```

7. Delivery & Balance APIs

7.1 Check Single Message Delivery

Get delivery status of messages sent in a specific job.

Request URL:

```
https://www.msggatewayhub.com/api/mt/GetDelivery?APIKey=yourapikey&jobid=#####
```

Response (JSON):

```
{ "ErrorCode": "0", "ErrorMessage": "Success", "DeliveryReports": [ { "MessageId": "mvHdp...",  
"DeliveryStatus": "Delivered", "DeliveryDate": "2024-09-28T06:17:00"}, { "MessageId": "Pfiv...",  
"DeliveryStatus": "Delivered", "DeliveryDate": "2024-09-28T06:17:00"} ] }
```

7.2 Check Multiple Delivery (MIS Report)

Retrieve delivery reports for a date range. Requires UI username and password (not APIKey).

Request URL:

```
https://www.msggatewayhub.com/smsapi/mis.aspx?user=username&password=password&fromdate=mm/dd/yyyy  
&todate=mm/dd/yyyy
```

Use your Panel login credentials (UI username/password), NOT the APIKey.

Response (JSON):

```
[ Delivery report data returned as CSV/XML ]
```

7.3 Check Account Balance

Check remaining promotional and transactional SMS credits.

Request URL:

```
https://www.msggatewayhub.com/api/mt/GetBalance?APIKey=yourapikey
```

Response (JSON):

```
{ "ErrorCode": "0", "ErrorMessage": "Success", "Balance": "Promo:1500|Trans:500" }
```

8. API Error Codes (SMSGatewayHub)

These error codes are returned in the ErrorCode field of the API response.

Code	Description
000	Success
001	Login details cannot be blank
003	Sender ID cannot be blank
004	Message text cannot be blank
005	Message data cannot be blank
006	Generic error description
007	Username or password is invalid
008	Account not active
009	Account locked — contact account manager
010	API restriction
011	IP address restriction
012	Invalid length of message text
013	Mobile numbers not valid
014	Account locked due to spam message — contact support
015	Sender ID not valid
017	Group ID not valid
018	Multi message to group is not supported
019	Schedule date is not valid
020	Message or mobile number cannot be blank
021	Insufficient credits
022	Invalid Job ID
023	Parameter missing
024	Invalid template or template mismatch
025	{Field} cannot be blank or empty
026	Invalid date range
027	Invalid optin user

9. DLT Error Codes — Platform Level

These error codes are returned when a message is blocked or fails DLT scrubbing. They are grouped by category. Duplicate codes from multiple sources have been merged.

9.1 Entity Errors (600–609, 7001–7004)

Error Code	Description
195	Expected TLV missing — Template not enabled in application. Contact support.
600 / 4112	ENTITY_NOT_FOUND — No record found with Entity ID as primary key
601 / 4113	ENTITY_NOT_REGISTERED — No entry of entity on the platform
602 / 4114	ENTITY_INACTIVE — Entity is inactive on the platform
603 / 4115	ENTITY_BLACKLISTED — Entity is blacklisted on all platforms
604 / 4116	INVALID_ENTITY_ID — Wrong Entity ID format or no entity ID tag
605–609	ENTITY_RESERVED — Reserved for Entity
4117	EC_ENTITY_ID_NOT_ALLOWED_FOR_TM — Entity ID not allowed for this Telemarketer
801 / 4110	EC_ENTITY_BLACKLISTED — Entity is blacklisted (Airtel)
802	EntityID Inactive / Not registered with Airtel
7001	Entity is inactive
7002	Entity is blacklisted
7003	Entity not in DB
7004	Entity ID blank

9.2 Telemarketer Errors (610–619)

Error Code	Description
610 / 4118	TELEMARKETER_NOT_REGISTERED — No entry of TMID on the platform
611 / 4119	TELEMARKETER_INACTIVE — Telemarketer inactive on platform; or Invalid entity ID / Header ID
612 / 4120	TELEMARKETER_BLACKLISTED — Telemarketer blacklisted; or Invalid CLI
613	Invalid Template ID
613–619	TELEMARKETER_RESERVED
614	CLI Mismatch with Template — Template does not match CLI
615	Template or Header Invalid
616	Invalid category provided
677	Invalid TM_ID — Invalid Telemarketer ID
678	Telemarketer ID does not exist / Inactive
680	Telemarketer ID blacklisted

9.3 Header / Sender ID Errors (620–629)

Error Code	Description
620 / 4121	HEADER_NOT_FOUND — No record found with header (case-sensitive)
621 / 4122	HEADER_INACTIVE — Header is inactive on the platform
622 / 4123	HEADER_BLACKLISTED — Header is blacklisted on all platforms
623 / 4124	PEID_NOT_MATCHED_WITH_HEADER — Principal Entity ID does not match Header ID
624–629	HEADER_RESERVED
4125	EC_HEADER_IN_FREEPOOL
803	Header is blacklisted (Airtel)
804	Header Inactive / Not registered with Airtel
683	SMS Type of header does not match Template
687	SMS Type does not match with header / Template SMS Type

9.4 Template Errors (630–649)

Error Code	Description
630 / 4126	TEMPLATE_NOT_FOUND — No record found with Template ID
631 / 4127	TEMPLATE_INACTIVE — Template is inactive on the platform; or Concatenation length exceeded
632 / 4128	TEMPLATE_BLACKLISTED — Template is blacklisted on all platforms
633 / 4129	TEMPLATE_NOT_MATCHED — Template not matched for given Template ID
634 / 4130	HEADER_NOT_REGISTERED_FOR_TEMPLATE — Header is not registered for the template
635 / 4131	TEMPLATE_VARIABLE_EXCEEDED_MAX_LENGTH — Variable length exceeded maximum configured length
636 / 4132	ERROR_IDENTIFYING_TEMPLATE — Error in identifying the template
637 / 4133	INVALID_TEMPLATE_ID — Wrong template ID format or no Template ID tag
638–649	TEMPLATE_RESERVED
666	SMS Content mismatch — message content does not match template
805	Template inactive / Template_id Inactive / Blacklisted (Airtel)
1026	Check Template — Template mismatch at application level
4134	EC_TEMPLATE_NOT_REGISTERED_TO_ENTITY
4135	EC_PROMOTIONAL_TEMPLATE_USED_ON_OTHERS_HEADER
4136	EC_INVALID_TEMPLATE_TYPE
9025	TAG_TEMPLATE_ID_ABSENT — Template ID tag missing from message

9.5 Preference / DND Errors (650–659)

Error Code	Description
650 / 4137	PREFERENCE_NOT_MATCHED — Blocked in subscriber preferences (DND)
651 / 4138	INVALID_PROMO_TIME — Message sent outside allowed promotional time window
652 / 4139	SE_CATEGORY_BLOCK — Service Explicit category blocked
651–659	PREFERENCE_RESERVED
168	DND Blocked
2168	DND Block (SMPP level)

9.6 Consent Errors (660–669)

Error Code	Description
660 / 4140	CONSENT_FAILED — General error for consent failure
661–669	CONSENT_RESERVED
5501	Consent Not in DB
5502	Consent Expired
5503	Consent not given

9.7 DLT Scrubbing / Blocking Errors (4106–4143)

Error Code	Description
4106 / 5101–5108	BLOCKED_BY_DLT — Message blocked by DLT scrubbing 5101: Fully blocked or Promo blocked 5102: Failed due to preference category 5103: Failed due to preference communication mode 5104: Preference status is active 5105: Failed — preferred day is blocked 5106: Failed — preferred time is blocked 5107: Blackout time 5108: Content is Promo & preference status is Terminated
4107 / 5000–5001	DLT_SCRUBBING_TIMEOUT — Timeout while performing DLT Scrubbing
4108 / 5201–5206	SENDER_BLOCKED_BY_DLT — Sender did not pass scrubbing 5201: Header not active 5202: Header is blacklisted 5203: Header not found/registered 5204: HDR_OP_INACTIVE 5205: Entity ID not matched with XML 5206: Alpha header not allowed in Promo route
4109	EC_TELEMARKETER_BLOCKED_BY_DLT
4110	EC_ENTITY_BLOCKED_BY_DLT
4111	EC_TEMPLATE_BLOCKED_BY_DLT

5301–5312 / 4126–4136	TEMPLATE_ERROR — Content template not matching or not registered 5302: Content ID blacklisted 5303: Content with unknown header 5304: Content ID not in DB 5305: Content type mismatched 5306: Content ID not active 5307: Content not matched 5308: Content ID blank 5309: Content ID blacklisted by VISPL 5310: Content multipart incomplete 5311: Content inactive 5312: Variable exceeded error
5401–5406	Communication type / content type mismatch errors 5401: Trans/Service & Header Inactive or Blacklisted 5402: Trans/Service & Content_ID Inactive 5403: Trans/Service & Content associated header different 5404: Trans & Content registered for other type 5405: SI & Content registered for other type 5406: SE & Content registered for other type
7001–7004	ENTITY_ID_ERROR — Entity not matching 7001: Entity inactive 7002: Entity blacklisted 7003: Entity not in DB 7004: Entity ID blank
4141	EC_SCRUBBING_FAILED — General scrubbing failure
4142	EC_TLV_PEID_NOT_FOUND — Principal Entity ID tag not found
4143	EC_TLV_TMPID_NOT_FOUND — Template ID tag not found
9024	TAG_TM_ID_ABSENT — Telemarketer ID tag absent
9026	TAG_PE_ID_ABSENT — Principal Entity ID tag absent

10. SMSC / Operator Error Codes (Selected Common)

These codes appear in delivery reports from the operator/SMSC. A complete list of 300+ codes is available in the Excel file. Below are the most common ones encountered.

Code	Description
0	NORMAL DELIVERED / No Error — Message delivered successfully
1	EC_UNKNOWN_SUBSCRIBER / Message too long
8	FSM TIMEOUT / System error
27	Absent subscriber — Phone is off or unreachable
88	Network fluctuation / Throttling error — Temporary failure, retry
100	Unidentified subscriber — ESME Receiver temporary error
102	System failure / SENDER ID BLOCKED / ESME Receiver reject
104	Data missing / OFF-NET NOT ACTIVE FOR ACCOUNT
168	DND Blocked — Subscriber is on DND list
200	Operator Blocked / DND Failed
221	MSISDN BLOCKED
500	EC_PROVIDER_GENERAL_ERROR / Internal Server Error
501	Insufficient Balance
502	EC_NO_RESPONSE / Bad Gateway
503	EC_SERVICE_COMPLETION_FAILURE / Service Unavailable
504	EC_UNEXPECTED_RESPONSE_FROM_PEER / Gateway Timeout
510	Temp_Fail — Temporary failure
511	SPAM_Fail — Message flagged as spam
600 / 601	Internal Error / Timeout at SRI
703	Submit_SM_Timeout

11. Quick DLT Error Lookup — Most Frequent Issues

Use this table for rapid diagnosis of common DLT failures:

Code	Error	Action / Fix
5101	Message blocked — subscriber on DND or Promo block	Check subscriber DND status. Use Transactional route for non-promo messages.
633	Template not matched	Verify message content matches the DLT-approved template EXACTLY. Check for extra spaces or characters.
630	Template not found	The dltemplateid passed does not exist in DLT portal. Verify template ID.
631	Template inactive	Template exists but is not active. Activate it in the DLT portal.
611	Telemarketer inactive / Invalid Header ID	Check TMID status in DLT portal. Verify the sender header is correctly mapped.
623	PEID not matched with Header	The Entity ID (PE ID) does not match the sender header. Recheck DLT registrations.
604	Invalid Entity ID	EntityId parameter is wrong format or missing. Verify your PE ID.
650	Preference not matched / DND	Subscriber preference blocks this message category.
666	SMS content mismatch	Message content does not match any registered template. Re-register or correct template.
4106	Blocked by DLT scrubbing	General DLT block. Check entity, header, template, and subscriber preference.
4108	Sender blocked by DLT	Sender ID (header) failed scrubbing. Verify header is registered and active.
5301–5307	Template/content error	Content template not matching or content ID issues. Check template registration.

12. Special Character Encoding Reference

When using GET method, special characters must be URL-encoded to avoid collision with HTTP reserved characters. POST method does NOT require URL encoding.

Character	Encoded As	Character	Encoded As
Space	%20	&	%26
+	%2B	#	%23
=	%3D	?	%3F
/	%2F	@	%40
%	%25	!	%21

For more details visit: <https://www.msggatewayhub.com/free-sms-gateway-developer-api.aspx>

Support: support@msggatewayhub.com | 9907922122 & Press 112