

ULIP Integration Requirement Document

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Revision History

Version	Date	Author	Reviewer	Significant Changes
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Introduction

1.1 Purpose

The purpose of this document is to define and provide details for accessing API for ICEGATE (Indian Customs Electronic data interchange (EDI) Gateway) system information (e-filing services) from ULIP system.

This document details the following points:

- 1. **Data Integration between ICEGATE and ULIP web service**: Identification of operational points where data integration between ICEGATE and ULIP web service will be needed.
- 2. **Technical Approach** for performing Data Integration

The Overall Description

User will share the information such as **EGM number**, **BE number and shipping bill number** based on data send by user ULIP system will call respective **ICEGATE** API for accessing information.

Following are the point for accessing vehicle information: -

This API will share data based on information provided by user. ULIP will expose API for getting data from ICEGATE API.

- 1. ICEGATE/01 API will take IGM and IGM date number from user and get data from ICEGATE API.
- 2. ICEGATE/02 API will take BE number and date from user and get data from ICEGATE API.
- 3. ICEGATE/03 API will take BE number and date from user and get data from ICEGATE
- **4. ICEGATE/04** API will take Site id, IMO code, Vessel code, arrival data from user and get data from ICEGATE API.
- ICEGATE/05 API will take shipping bill number & date from user and get data from ICEGATE API.
- **6. ICEGATE/06** API will take shipping bill number & date from user and get data from ICEGATE API.



- 7. ICEGATE/07 API will take IGM number and IGM date from user and get data from ICEGATE API.
- **8. ICEGATE/08** API will take EGM number and EGM date from user and get data from ICEGATE API.

1.2 Data Integration between ICEGATE System and ULIP application

User will share information to ULIP system based on data shared ULIP will provide data to user.

1.3 ICEGATE/01

This API will take **VCN number** and connect with ICEGATE API to get data.

S. No.	Field Name	Field Description	Format	Require d/Not – Require d	Length
1	igmNo	vessel call number as available in ICEGATE system.	[0-9]{1,7}	Required	Min 1 Max 7
2	igmDt	IGM date	[0-9]{8}	Required	Max 8

1.3.1 Technical Approach

- 1. All the data will be shared through rest web services.
- 2. ULIP system will provide **IGM number** for which detail is required.
- 3. ICEGATE API will share details of vessel information which exist in ICEGATE system in JSON format.
- 4. ICEGATE Integration will add JSON in **response** key in response body.
- 5. ULIP system will provide the data in JSON Object format in response body.

Example:

IGM number **2001362** is shared by ULIP system, then ICEGATE-integration will make a request to ICEGATE API.

Request:

The request must be of the following format

https://www.ulip.dpiit.gov.in/ulip/v1.0.0/ICEGATE/01

{"igmNo":"2001362","igmDt":"11102018"}

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Curl URL

```
curl -X POST \
https://www.ulip.dpiit.gov.in/ulip/v1.0.0/ICEGATE/01 \
-H 'accept: application/json' \
-H 'authorization: Bearer
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJ0ZXN0MSIsImlhdCI6MTYyNTczMzQ0NCwiYXBwcyI6ImRh
dGFwdXNoIn0.-
FTXGNLmro8bXz45XsfCWkz05u4fdnxpIYXK7HZ7ufbAtbXejm0rsYiv8rzjiUr0bjg1TAxp6vb838
uxtet63g' \
-H 'cache-control: no-cache' \
-H 'content-type: application/json' \
-H 'postman-token: 62dad653-e293-dbff-983e-388f64ae1cd8' \
-d '{"igmNo":"2001362","igmDt":"11102018"}'
```

For obtaining authentication token, refer Section 1.6

Response

To acknowledge the above request, ULIP will send the below response -

a) In case of invalid format

1. Invalid igm number

```
{
    "response": null,
    "error": "true",
    "code": "400",
    "message": "Data format failed OR wrong value entered at: igmNo.
Format should follow [0-9]{1,10}"
}
```

2. Invalid date

```
{
    "response": null,
    "error": "true",
    "code": "400",
    "message": "Data format failed OR wrong value entered
at: igmDt. Format should follow [0-9]{8}"
```



b) In case of igm number does not exist in ICEGATE system

```
"response": [
        "response": {
            "voyageNo": null,
            "vesselType": null,
            "containerNo": null,
            "expDtOfArrival": null,
            "portOfArrival": null,
            "imoCodeOfVessel": null,
            "igmDt": null,
            "igmNo": null,
            "vesselCode": null,
            "totalNoOfLines": null,
            "masterName": null
        "responseStatus": "SUCCESS"
],
"error": "false",
"code": "200",
"message": "Success"
```

c) In case IGM number exist



Status Code 200: vehicle data response

Status Code 400: Bad request (Invalid JSON syntax, invalid JSON key)

Status Code 401 or 403: Unauthenticated or Unauthorized **Status Code 500**: Some internal server error occurred

Status Code 502: Server is not responding.

1.4 ICEGATE/02

This API will take **BE number** and **BE date** and connect with ICEGATE API to get data.

S. No.	Field Name	Field Description	Format	Require d/Not – Require d	Length
1	beNo	Bill of Entry Number as available in ICEGATE system.	[0-9]{1,7}	Required	7
2	beDt	BE date	[0-9]{8}	Required	8

1.4.1 Technical Approach

- 1. All the data will be shared through rest web services.
- 2. ULIP system will provide **BE number** for which detail is required.
- 3. ICEGATE API will share details of cargo information which exist in ICEGATE system in JSON format.

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- 4. ICEGATE Integration will add JSON in **response** key in response body.
- 5. ULIP system will provide the data in JSON Object format in response body.

Example:



BE number **2002892** is shared by ULIP system, then ICEGATE-integration will make a request to ICEGATE API.

Request:

The request must be of the following format

https://www.ulip.dpiit.gov.in/ulip/v1.0.0/ICEGATE/02

```
{"beNo":"2002892","beDt":"16072011"}
```

Curl URL

```
curl -X POST \
https://www.ulip.dpiit.gov.in/ulip/v1.0.0/ICEGATE/02 \
-H 'accept: application/json' \
-H 'authorization: Bearer
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJ0ZXN0MSIsImlhdCI6MTYyNTczMzQ0NCwiYXBwcyI6ImRh
dGFwdXNoIn0.-
FTXGNLmro8bXz45XsfCWkz05u4fdnxpIYXK7HZ7ufbAtbXejm0rsYiv8rzjiUr0bjg1TAxp6vb838
uxtet63g' \
-H 'cache-control: no-cache' \
-H 'content-type: application/json' \
-H 'postman-token: d0fa9f41-ec93-2b83-9b90-754b6ad24395' \
-d '{"beNo":"2002892","beDt":"16072011"}'
```

For obtaining authentication token, refer <u>Section 1.6</u>

Response

To acknowledge the above request, ULIP will send the below response -

- a) In case of invalid format
 - 1. Invalid BE number

```
{
    "response": null,
    "error": "true",
    "code": "400",
    "message": "Data format failed OR wrong value entered
at: beNo. Format should follow [0-9]{7}"
```

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2. Invalid date

```
{
    "response": null,
    "error": "true",
    "code": "400",
    "message": "Data format failed OR wrong value entered
at: beDt. Format should follow [0-9]{8}"
}
```

b) In case of BE number does not exist in ICEGATE system

c) In case BE number exist



Status Code 200: vehicle data response

Status Code 400: Bad request (Invalid JSON syntax, invalid JSON key)

Status Code 401 or 403: Unauthenticated or Unauthorized **Status Code 500**: Some internal server error occurred

Status Code 502: Server is not responding.

1.5 ICEGATE/03

This API will take **shipping bill number** and connect with ICEGATE API to get data.

S. No.	Field Name	Field Description	Format	Require d/Not – Require d	Length
1	beNo	Shipping Bill number as available in ICEGATE system.	[0-9]{1,7}	Required	7
2	beDt	BE date	[0-9]{8}	Required	8

1.5.1 Technical Approach

- 1. All the data will be shared through rest web services.
- 2. ULIP system will provide **BE number** for which detail is required.
- ICEGATE API will share details of cargo information which exist in ICEGATE system in JSON format.

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- 4. ICEGATE Integration will add JSON in **response** key in response body.
- 5. ULIP system will provide the data in JSON Object format in response body.

Example:



BE number 6330973 is shared by ULIP system, then ICEGATE-integration will make a request to ICEGATE API.

Request:

The request must be of the following format

https://www.ulip.dpiit.gov.in/ulip/v1.0.0/ICEGATE/03

```
{"beNo":"6330973","beDt":"22032012"}
```

Curl URL

```
curl -X POST \
https://www.ulip.dpiit.gov.in/ulip/v1.0.0/ICEGATE/03 \
-H 'accept: application/json' \
-H 'authorization: Bearer
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJ0ZXN0MSIsImlhdCI6MTYyNTczMzQ0NCwiYXBwcyI6ImRh
dGFwdXNoIn0.-
FTXGNLmro8bXz45XsfCWkz05u4fdnxpIYXK7HZ7ufbAtbXejm0rsYiv8rzjiUr0bjg1TAxp6vb838
uxtet63g' \
-H 'cache-control: no-cache' \
-H 'content-type: application/json' \
-H 'postman-token: 74f68893-0e56-f20f-8581-827680413bb4' \
-d '{"beNo":"6330973","beDt":"22032012"}'
```

For obtaining authentication token, refer <u>Section 1.6</u>

Response

To acknowledge the above request, ULIP will send the below response -

- a) In case of invalid format
 - 1. Invalid BE number

```
{
    "response": null,
    "error": "true",
    "code": "400",
    "message": "Data format failed OR wrong value entered at: beNo. Format
should follow [0-9]{7}"
```



}

2. Invalid date

```
{
    "response": null,
    "error": "true",
    "code": "400",
    "message": "Data format failed OR wrong value entered
at: beDt. Format should follow [0-9]{8}"
}
```

b) In case of BE number does not exist in ICEGATE system

c) In case BE number exist



```
"code": "200",
    "message": "Success"
}
```

Status Code 200: vehicle data response

Status Code 400: Bad request (Invalid JSON syntax, invalid JSON key)

Status Code 401 or 403: Unauthenticated or Unauthorized Status Code 500: Some internal server error occurred

Status Code 502: Server is not responding.

1.6 **ICEGATE/04**

This API will take **shipping bill number** and connect with ICEGATE API to get data.

S. No.	Field Name	Field Description	Format	Require d/Not – Require d	Length
1	siteId	Site ID as available in ICEGATE system.	[0-9]{6}	Required	6
2	imoCode	Unique identifier for ships / registered ship management companies.	[A-Z0-9]{1,25}	Required	Min 1 Max 25
3	vesselCode	Vessel Code as available in ICEGATE system.	[A-Z0-9]{1,25}	Required	Min 1 Max 25
4	arrivalDate	The date when ship is estimated to arrive at the port of Call.	DATE (DDMMYYYY)	Required	8

1.6.1 Technical Approach

- 1. All the data will be shared through rest web services.
- ULIP system will provide data (site id, IMO code ,vessel code and arrival date) for which detail is required.
- 3. ICEGATE API will share details of cargo information which exist in ICEGATE system in JSON format.
- 4. ICEGATE Integration will add JSON in **response** key in response body.
- 5. ULIP system will provide the data in JSON Object format in response body.

Example:

site id, IMO code, vessel code and arrival date is shared by ULIP system, then ICEGATE-integration will make a request to ICEGATE API.

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Request:

The request must be of the following format

https://www.ulip.dpiit.gov.in/ulip/v1.0.0/ICEGATE/04

```
{
    "siteId": "INBOM1",
    "imoCode": "9241205",
    "vesselCode": "DCNT2",
    "arrivalDate": "15012020"
}
```

Curl URL

```
curl -X POST \
  https://www.ulip.dpiit.gov.in/ulip/v1.0.0/ICEGATE/04 \
  -H 'accept: application/json' \
  -H 'authorization: Bearer
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJ0ZXN0MSIsImlhdCI6MTYyNTczMzQ0NCwiYXBwcyI6ImRh
dGFwdXNoIn0.-
FTXGNLmro8bXz45XsfCWkz05u4fdnxpIYXK7HZ7ufbAtbXejm0rsYiv8rzjiUr0bjg1TAxp6vb838
uxtet63g' \
  -H 'cache-control: no-cache' \
  -H 'content-type: application/json' \
  -H 'postman-token: 74f68893-0e56-f20f-8581-827680413bb4' \
  -d ' {
    "siteId": "INBOM1",
    "imoCode": "9241205"
    "vesselCode": "DCNT2",
    "arrivalDate": "15012020"
```

For obtaining authentication token, refer Section 1.6

Response

To acknowledge the above request, ULIP will send the below response -

- a) In case of invalid format
 - 1. Invalid site id



```
{
    "response": null,
    "error": "true",
    "code": "400",
    "message": "Data format failed OR wrong value entered at: siteId. Format should follow [A-Z0-9]{6}"
}
```

2. Invalid IMO code

```
{
    "response": null,
    "error": "true",
    "code": "400",
    "message": "Data format failed OR wrong value entered
at: imoCode. Format should follow [A-Z0-9]{1,25}"
}
```

3. Invalid vessel code

```
{
    "response": null,
    "error": "true",
    "code": "400",
    "message": "Data format failed OR wrong value entered
at: vesselCode. Format should follow [A-Z0-9]{1,25}"
}
```

4. Invalid date

```
{
    "response": null,
    "error": "true",
    "code": "400",
    "message": "Data format failed OR wrong value entered
at: arrivalDate. Format should follow [0-9]{8}"
```



}

b) In case of data does not exist in ICEGATE system

c) In case data exist

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Status Code 200: vehicle data response

Status Code 400: Bad request (Invalid JSON syntax, invalid JSON key)

Status Code 401 or 403: Unauthenticated or Unauthorized **Status Code 500**: Some internal server error occurred

Status Code 502: Server is not responding.



1.7 ICEGATE/05

This API will take **shipping bill number** and connect with ICEGATE API to get data.

S. No.	Field Name	Field Description	Format	Require d/Not – Require d	Length
1	sbNo	Shipping Bill number as available in ICEGATE system.	[0-9]{7}	Required	7
2	sbDt	date	[0-9]{8}		8

1.7.1 Technical Approach

- 1. All the data will be shared through rest web services.
- 2. ULIP system will provide **shipping Bill number** and date for which detail is required.
- 3. ICEGATE API will share information which exist in ICEGATE system in JSON format.
- 4. ICEGATE Integration will add JSON in response key in response body.
- 5. ULIP system will provide the data in JSON Object format in response body.

Example:

Shipping Bill number **4164154** is shared by ULIP system, then ICEGATE-integration will make a request to ICEGATE API.

Request:

The request must be of the following format

https://www.ulip.dpiit.gov.in/ulip/v1.0.0/ICEGATE/05

```
{
    "sbNo": "6845161",
    "sbDt": "02042016"
}
```

Curl URL

```
curl -X POST \
https://www.ulip.dpiit.gov.in/ulip/v1.0.0/ICEGATE/05 \
-H 'accept: application/json' \
```

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```
-H 'authorization: Bearer
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJ0ZXN0MSIsImlhdCI6MTYyNTczMzQ0NCwiYXBwcyI6ImRh
dGFwdXNoIn0.-
FTXGNLmro8bXz45XsfCWkz05u4fdnxpIYXK7HZ7ufbAtbXejm0rsYiv8rzjiUr0bjg1TAxp6vb838
uxtet63g' \
    -H 'cache-control: no-cache' \
    -H 'content-type: application/json' \
    -H 'postman-token: 74f68893-0e56-f20f-8581-827680413bb4' \
    -d '{
        "sbNo": "6845161",
        "sbDt": "02042016"
}'
```

For obtaining authentication token, refer Section 1.6

Response

To acknowledge the above request, ULIP will send the below response -

a) In case of invalid format

1. Invalid shipping bill number

```
{
    "response": null,
    "error": "true",
    "code": "400",
    "message": "Data format failed OR wrong value entered at: sbNo. Format
should follow [0-9]{1,7}"
}
```

2. Invalid shipping bill date

```
{
    "response": null,
    "error": "true",
    "code": "400",
    "message": "Data format failed OR wrong value entered at: sbDt. Format
should follow [0-9]{8}"
}
```

b) In case of shipping bill number does not exist in ICEGATE system



c) In case SB number exist



Status Code 200: vehicle data response

Status Code 400: Bad request (Invalid json syntax, invalid json key)

Status Code 401 or 403: Unauthenticated or Unauthorized Status Code 500: Some internal server error occurred

Status Code 502: Server is not responding.

1.8 ICEGATE/06

This API will take **shipping bill number** and connect with ICEGATE API to get data.

S. No.	Field Name	Field Description	Format	Require d/Not – Require d	Length
1	sbNo	Shipping Bill number as available in ICEGATE system.	[0-9]{7}	Required	7
2	sbDt	date	[0-9]{8}	Required	8

1.8.1 Technical Approach

- 1. All the data will be shared through rest web services.
- 2. ULIP system will provide **shipping Bill number** for which detail is required.
- ICEGATE API will share details of cargo information which exist in ICEGATE system in JSON format.
- 4. ICEGATE Integration will add JSON in **response** key in response body.
- 5. ULIP system will provide the data in JSON Object format in response body.

Example:

Shipping Bill number **5444772** is shared by ULIP system, then ICEGATE-integration will make a request to ICEGATE API.

Request:

The request must be of the following format

https://www.ulip.dpiit.gov.in/ulip/v1.0.0/ICEGATE/06

```
{
    "sbNo": "5444772",
    "sbDt": "16092011"
}
```

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Curl URL

```
curl -X POST \
https://www.ulip.dpiit.gov.in/ulip/v1.0.0/ICEGATE/06 \
-H 'accept: application/json' \
-H 'authorization: Bearer
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJ0ZXN0MSIsImlhdCI6MTYyNTczMzQ0NCwiYXBwcyI6ImRh
dGFwdXNoIn0.-
FTXGNLmro8bXz45XsfCWkz05u4fdnxpIYXK7HZ7ufbAtbXejm0rsYiv8rzjiUr0bjg1TAxp6vb838
uxtet63g' \
-H 'cache-control: no-cache' \
-H 'content-type: application/json' \
-H 'postman-token: 74f68893-0e56-f20f-8581-827680413bb4' \
-d '{
    "sbNo": "5444772",
    "sbDt": "16092011"
}'
```

For obtaining authentication token, refer <u>Section 1.6</u>

Response

To acknowledge the above request, ULIP will send the below response -

a) In case of invalid format

1. Invalid shipping bill number

```
{
    "response": null,
    "error": "true",
    "code": "400",
    "message": "Data format failed OR wrong value entered at: sbNo. Format should follow [0-9]{1,7}"
}
```

2. Invalid shipping bill date

```
{
    "response": null,
    "error": "true",
    "code": "400",
```



```
"message": "Data format failed OR wrong value entered at:
                                                              sbDt. Format
should follow [0-9]{8}"
```

b) In case of shipping bill number does not exist in ICEGATE system

```
"response": [
        "response": {
            "leoDt": null
        "responseStatus": "SUCCESS"
"error": "false",
"code": "200",
"message": "Success"
```

c) In case SB number exist

```
"response": [
        "response": {
            "leoDt": "23092011"
        "responseStatus": "SUCCESS"
"error": "false",
"code": "200",
"message": "Success"
```

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Status Code 200: vehicle data response

Status Code 400: Bad request (Invalid JSON syntax, invalid JSON key)

Status Code 401 or 403: Unauthenticated or Unauthorized

Status Code 500: Some internal server error occurred

Status Code 502: Server is not responding.



1.9 ICEGATE/07

This API will take **IGM number** and connect with ICEGATE API to get data.

S. No.	Field Name	Field Description	Format	Require d/Not – Require d	Length
1	igmNo	Import General Manifest Number as available in ICEGATE system.	[0-9]{1,7}	Required	Min 1 Max 10
2	igmDt	IGM date	[0-9]{8}	Required	Max 8

1.9.1 Technical Approach

- 1. All the data will be shared through rest web services.
- 2. ULIP system will provide IGM number and IGM date for which detail is required.
- 3. ICEGATE API will share details of cargo information which exist in ICEGATE system in JSON format.
- 4. ICEGATE Integration will add JSON in **response** key in response body.
- 5. ULIP system will provide the data in JSON Object format in response body.

Example:

IGM **2000690** is shared by ULIP system, then ICEGATE-integration will make a request to ICEGATE API.

Request:

The request must be of the following format

https://www.ulip.dpiit.gov.in/ulip/v1.0.0/ICEGATE/07

```
{
    "igmNo": "2000690",
    "igmDt": "31012014"
}
```

Curl URL

```
curl -X POST \
https://www.ulip.dpiit.gov.in/ulip/v1.0.0/ICEGATE/07 \
```

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```
-H 'accept: application/json' \
   -H 'authorization: Bearer
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJ0ZXN0MSIsImlhdCI6MTYyNTczMzQ0NCwiYXBwcyI6ImRh
dGFwdXNoIn0.-
FTXGNLmro8bXz45XsfCWkz05u4fdnxpIYXK7HZ7ufbAtbXejm0rsYiv8rzjiUr0bjg1TAxp6vb838
uxtet63g' \
   -H 'cache-control: no-cache' \
   -H 'content-type: application/json' \
   -H 'postman-token: 74f68893-0e56-f20f-8581-827680413bb4' \
   -d '{
      "igmNo": "2000690",
      "igmDt": "31012014"
}
```

For obtaining authentication token, refer <u>Section 1.6</u>

Response

To acknowledge the above request, ULIP will send the below response -

a) In case of invalid format

1. Invalid IGM number

```
{
    "response": null,
    "error": "true",
    "code": "400",
    "message": "Data format failed OR wrong value entered at: beNo. Format
should follow [0-9]{7}"
}
```

2. Invalid IGM date

```
{
    "response": null,
    "error": "true",
    "code": "400",
    "message": "Data format failed OR wrong value entered at: igmDt. Format should follow [0-9]{8}"
}
```

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b) In case of IGM number does not exist in ICEGATE system



c) In case IGM number exist



```
],
"error": "false",
"code": "200",
"message": "Success"
}
```

Status Code 200: vehicle data response

Status Code 400: Bad request (Invalid JSON syntax, invalid JSON key)

Status Code 401 or 403: Unauthenticated or Unauthorized **Status Code 500**: Some internal server error occurred

Status Code 502: Server is not responding.

1.10 ICEGATE/08

This API will take **EGM number**, **EGM date** and connect with ICEGATE API to get data.

S. No.	Field Name	Field Description	Format	Require d/Not – Require d	Length
1	egmNo	Export General Manifest Number as available in ICEGATE system.	[0-9]{7}	Required	7
2	egmDt	EGM date	[0-9]{8}	Required	8

1.10.1 Technical Approach

- 1. All the data will be shared through rest web services.
- 2. ULIP system will provide EGM number and EGM date for which detail is required.
- 3. ICEGATE API will share details of cargo information which exist in ICEGATE system in JSON format.
- 4. ICEGATE Integration will add JSON in **response** key in response body.
- 5. ULIP system will provide the data in JSON Object format in response body.

Example:

EGM number **21889** and date **20112008** is shared by ULIP system, then ICEGATE-integration will make a request to ICEGATE API.

Request:

The request must be of the following format

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https://www.ulip.dpiit.gov.in/ulip/v1.0.0/ICEGATE/08

```
{
    "egmNo": "103978",
    "egmDt": "29032016"
}
```

Curl URL

```
curl -X POST \
https://www.ulip.dpiit.gov.in/ulip/v1.0.0/ICEGATE/08 \
-H 'accept: application/json' \
-H 'authorization: Bearer
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJ0ZXN0MSIsImlhdCI6MTYyNTczMzQ0NCwiYXBwcyI6ImRh
dGFwdXNoIn0.-
FTXGNLmro8bXz45XsfCWkz05u4fdnxpIYXK7HZ7ufbAtbXejm0rsYiv8rzjiUr0bjg1TAxp6vb838
uxtet63g' \
-H 'cache-control: no-cache' \
-H 'content-type: application/json' \
-H 'postman-token: 74f68893-0e56-f20f-8581-827680413bb4' \
-d '{
    "egmNo": "103978",
    "egmDt": "29032016"
}
```

For obtaining authentication token, refer <u>Section 1.6</u>

Response

To acknowledge the above request, ULIP will send the below response -

- a) In case of invalid format
 - 1. Invalid shipping bill number

```
{
    "response": null,
    "error": "true",
    "code": "400",
    "message": "Data format failed OR wrong value entered at: beNo. Format should follow [0-9]{7}"
}
```



2. Invalid EGM date

```
{
    "response": null,
    "error": "true",
    "code": "400",
    "message": "Data format failed OR wrong value entered at: egmDt. Format should follow [0-9]{8}"
}
```

b) In case of EGM number does not exist in ICEGATE system

c) In case EGM number exist



```
"sbNo": 6825667,
"noOfPckgs": 25,
"portOfDest": "SAJED"
"containerNo": [
    "TCKU1732080"
"sbNo": 6828170,
"noOfPckgs": 33,
"portOfDest": "GBCHD"
"containerNo": [
    "APHU6684925"
],
"sbNo": 6832965,
'as": 127
"noOfPckgs": 127,
"portOfDest": "USPXX"
"containerNo": [
    "APZU3219840"
],
"sbNo": 6833000,
'as": 186
"noOfPckgs": 186,
"portOfDest": "GBCHD"
"containerNo": [
    "APHU4645318"
"sbNo": 6833796,
"noOfPckgs": 52,
"portOfDest": "GBNWY"
"containerNo": [
    "APHU4645318"
"sbNo": 6834068,
"noOfPckgs": 1,
"portOfDest": "GBNWY"
"containerNo": [
    "TCKU1722159"
```



```
"sbNo": 6834391,
"noOfPckgs": 600,
"portOfDest": "YEADE"
"containerNo": [
    "APHU6684925"
"sbNo": 6837140,
"noOfPckgs": 1,
"portOfDest": "USPXX"
"containerNo": [
    "APHU4645318"
],
"sbNo": 6837180,
|sc": 1,
"noOfPckgs": 1,
"portOfDest": "GBNWY"
"containerNo": [
    "APHU4645318"
],
"sbNo": 6837187,
"noOfPckgs": 1,
"portOfDest": "GBNWY"
"containerNo": [
    "SCZU7568376"
"sbNo": 6838289,
"noOfPckgs": 204,
"portOfDest": "GBCHD"
"containerNo": [
    "APZU3630810"
"sbNo": 6839646,
"noOfPckgs": 1046,
"portOfDest": "DJJIB"
"containerNo": [
    "APHU6684925"
```



```
"sbNo": 6839872,
"noOfPckgs": 20,
"portOfDest": "USPXX"
"containerNo": [
    "APHU4645318"
"sbNo": 6841645,
"noOfPckgs": 28,
"portOfDest": "GBNWY"
"containerNo": [
    "APHU4645318"
],
"sbNo": 6843966,
'as": 24,
"noOfPckgs": 24,
"portOfDest": "GBNWY"
"containerNo": [
    "APZU4265223"
],
"sbNo": 6844633,
"noOfPckgs": 64,
"portOfDest": "GBCHD"
"containerNo": [
    "APHU4595304"
"sbNo": 6844872,
"noOfPckgs": 99,
"portOfDest": "GBCHD"
"containerNo": [
    "APZU4265223"
"sbNo": 6845052,
"noOfPckgs": 55,
"portOfDest": "GBCHD"
"containerNo": [
    "APHU4595304"
```



```
"sbNo": 6845270,
"noOfPckgs": 817,
"portOfDest": "GBCHD"
"containerNo": [
    "APHU4595304"
"sbNo": 6845273,
"noOfPckgs": 725,
"portOfDest": "GBCHD"
"containerNo": [
    "APHU4645318"
],
"sbNo": 6845303,
"noOfPckgs": 2,
"portOfDest": "GBNWY"
"containerNo": [
    "APZU4550581"
],
"sbNo": 6845747,
'as": 150
"noOfPckgs": 150,
"portOfDest": "GBNWY"
"containerNo": [
    "APZU4550581"
"sbNo": 6845755,
"noOfPckgs": 14,
"portOfDest": "GBNWY"
"containerNo": [
    "APZU4550581"
"sbNo": 6846363,
"noOfPckgs": 132,
"portOfDest": "GBNWY"
"containerNo": [
    "TCKU1722159"
```



```
"sbNo": 6846545,
"noOfPckgs": 21,
"portOfDest": "YEADE"
"containerNo": [
    "APHU4645318"
"sbNo": 6847824,
"noOfPckgs": 19,
"portOfDest": "GBNWY"
"containerNo": [
    "APZU3241130"
],
"sbNo": 6848025,
'as": 24,
"noOfPckgs": 24,
"portOfDest": "SAJED"
"containerNo": [
    "APZU3241130"
],
"sbNo": 6848077,
'as": 61,
"noOfPckgs": 61,
"portOfDest": "SAJED"
"containerNo": [
    "APZU3241130"
"sbNo": 6848080,
"noOfPckgs": 30,
"portOfDest": "SAJED"
"containerNo": [
    "APHU6684925"
"sbNo": 6849669,
"noOfPckgs": 71,
"portOfDest": "GBNWY"
"containerNo": [
    "APZU3467214",
    "TCKU3455771"
```



```
"sbNo": 6850169,
"noOfPckgs": 34,
"portOfDest": "OMSLL"
"containerNo": [
    "APZU4661461"
"sbNo": 6851612,
"noOfPckgs": 25,
"portOfDest": "GBNWY"
"containerNo": [
    "APHU4645318"
"sbNo": 6852471,
"noOfPckgs": 32,
"portOfDest": "GBNWY"
"containerNo": [
    "APZU4550581"
"sbNo": 6854209,
"noOfPckgs": 13,
"portOfDest": "GBNWY"
"containerNo": [
   "APZU3616637"
],
"sbNo": 6854219,
"noOfPckgs": 100,
"portOfDest": "AESHJ"
"containerNo": [
    "APHU4595304"
"sbNo": 6854296,
"noOfPckgs": 1207,
"portOfDest": "GBCHD"
"containerNo": [
    "APZU3603938",
```



```
"APZU4685057"
"sbNo": 6856124,
"noOfPckgs": 19,
"portOfDest": "GBCHD"
"containerNo": [
    "APZU4661461"
"sbNo": 6856130,
"noOfPckgs": 100,
"portOfDest": "GBNWY"
"containerNo": [
    "SCZU7568376"
"sbNo": 6856726,
"noOfPckgs": 104,
"portOfDest": "GBCHD"
"containerNo": [
    "APZU4550581"
"sbNo": 6857765,
"noOfPckgs": 23,
"portOfDest": "GBNWY"
"containerNo": [
    "APZU4550581"
"sbNo": 6857772,
"noOfPckgs": 129,
"portOfDest": "GBNWY"
"containerNo": [
    "APZU4550581"
"sbNo": 6857775,
"noOfPckgs": 157,
"portOfDest": "GBNWY"
"containerNo":
```



```
"APHU4645318"
"sbNo": 6857901,
"noOfPckgs": 264,
"portOfDest": "GBNWY"
"containerNo": [
    "TCKU1732080"
"sbNo": 6857903,
"noOfPckgs": 1,
"portOfDest": "OMSLL"
"containerNo": [
    "APHU6861722",
    "FCIU8009350"
"sbNo": 6858020,
"noOfPckgs": 860,
"portOfDest": "GBCHD"
"containerNo": [
    "APZU4265223"
"sbNo": 6858485,
"noOfPckgs": 97,
"portOfDest": "GBCHD"
"containerNo": [
    "APZU4265223"
"sbNo": 6858489,
"noOfPckgs": 100,
"portOfDest": "GBCHD"
"containerNo": [
    "APZU4312768"
"sbNo": 6858612,
"noOfPckgs": 979,
"portOfDest": "GBNWY"
```



```
"containerNo": [
    "APHU4595304"
"sbNo": 6858880,
"noOfPckgs": 204,
"portOfDest": "GBCHD"
"containerNo": [
    "APZU3651495",
    "FCIU3375274",
    "TCKU1608486",
    "TRLU2493207"
"sbNo": 6859125,
"noOfPckgs": 2657,
"portOfDest": "OMSLL"
"containerNo": [
    "TCKU2980749"
"sbNo": 6859702,
"noOfPckgs": 40,
"portOfDest": "BHBAH"
"containerNo": [
    "APLU9931204"
"sbNo": 6860181,
"noOfPckgs": 465,
"portOfDest": "BHBAH"
"containerNo": [
    "TGHU7013542",
    "UESU4590900"
"sbNo": 6860975,
"noOfPckgs": 130,
"portOfDest": "AESHJ"
"containerNo": [
    "TCKU1732080"
],
"sbNo": 6862003,
```



```
"noOfPckgs": 9,
"portOfDest": "OMSLL"
"containerNo": [
    "APZU4324814"
"sbNo": 6862035,
"noOfPckgs": 162,
"portOfDest": "USABM"
"containerNo": [
    "APZU4176044"
],
"sbNo": 6862432,
'as": 174
"noOfPckgs": 1745,
"portOfDest": "GBCHD"
"containerNo": [
    "TPHU5388698"
"sbNo": 6862433,
"noOfPckgs": 1735,
"portOfDest": "GBCHD"
"containerNo": [
    "APHU4595304"
"sbNo": 6862639,
"noOfPckgs": 324,
"portOfDest": "GBCHD"
"containerNo": [
    "APZU4265223"
"sbNo": 6863674,
"noOfPckgs": 42,
"portOfDest": "GBCHD"
"containerNo": [
    "TCKU1722159"
],
"sbNo": 6863913,
```



```
"noOfPckgs": 206,
"portOfDest": "YEADE"
"containerNo": [
    "APZU3622199"
"sbNo": 6864375,
"noOfPckgs": 681,
"portOfDest": "SAJED"
"containerNo": [
    "APHU6684925"
],
"sbNo": 6864911,
"noOfPckgs": 86,
"portOfDest": "GBNWY"
"containerNo": [
    "APHU6866046",
    "APHU7137115",
    "CAXU8149870"
"sbNo": 6865112,
"noOfPckgs": 60,
"portOfDest": "GBCHD"
"containerNo": [
    "SCZU7568376"
],
"sbNo": 6865523,
"noOfPckgs": 49,
"portOfDest": "GBCHD"
"containerNo": [
    "CLHU4705876"
"sbNo": 6865537,
"noOfPckgs": 30,
"portOfDest": "GBCHD"
"containerNo": [
    "GESU5599051"
```



```
"sbNo": 6865621,
"noOfPckgs": 92,
"portOfDest": "SAJED"
"containerNo": [
    "GESU5599051"
"sbNo": 6865636,
"noOfPckgs": 60,
"portOfDest": "SAJED"
"containerNo": [
    "SCZU7568376"
"sbNo": 6866107,
"noOfPckgs": 19,
"portOfDest": "GBCHD"
"containerNo": [
    "APHU6226603"
"sbNo": 6866316,
"noOfPckgs": 239,
"portOfDest": "YEHOD"
"containerNo": [
    "APZU4550581"
],
"sbNo": 6866775,
"noOfPckgs": 1165,
"portOfDest": "GBNWY"
"containerNo": [
    "APZU4550581"
"sbNo": 6866788,
"noOfPckgs": 25,
"portOfDest": "GBNWY"
"containerNo": [
    "CLHU4705876"
```



```
"sbNo": 6867684,
"noOfPckgs": 40,
"portOfDest": "GBCHD"
"containerNo": [
    "APZU4178725"
"sbNo": 6868051,
"noOfPckgs": 42,
"portOfDest": "GBCHD"
"containerNo": [
    "TRLU9049800"
"sbNo": 6868054,
"noOfPckgs": 299,
"portOfDest": "GBCHD"
"containerNo": [
    "APZU4661461"
"sbNo": 6868081,
"noOfPckgs": 236,
"portOfDest": "GBNWY"
"containerNo": [
   "APZU4178725"
],
"sbNo": 6868088,
"noOfPckgs": 15,
"portOfDest": "GBCHD"
"containerNo": [
    "CLHU4705876"
"sbNo": 6868115,
"noOfPckgs": 48,
"portOfDest": "GBCHD"
"containerNo": [
    "CLHU4705876"
```



```
"sbNo": 6868120,
"noOfPckgs": 8,
"portOfDest": "GBCHD"
"containerNo": [
    "FCIU2510750"
"sbNo": 6868469,
"noOfPckgs": 425,
"portOfDest": "DJJIB"
"containerNo": [
    "APZU4178725"
"sbNo": 6868521,
"noOfPckgs": 422,
"portOfDest": "GBCHD"
"containerNo": [
    "CLHU4705876"
"sbNo": 6868774,
"noOfPckgs": 9,
"portOfDest": "GBCHD"
"containerNo": [
   "APZU3460605"
],
"sbNo": 6868783,
"noOfPckgs": 600,
"portOfDest": "KWKWI"
"containerNo": [
    "APZU4265223"
"sbNo": 6868911,
"noOfPckgs": 139,
"portOfDest": "GBCHD"
"containerNo": [
    "APZU4265223"
```



```
"sbNo": 6868913,
"noOfPckgs": 124,
"portOfDest": "GBCHD"
"containerNo": [
    "APZU4265223"
"sbNo": 6868922,
"noOfPckgs": 234,
"portOfDest": "GBCHD"
"containerNo": [
    "APZU3096875"
"sbNo": 6868987,
"noOfPckgs": 1496,
"portOfDest": "USFOP"
"containerNo": [
    "APZU3467030"
"sbNo": 6869046,
"noOfPckgs": 299,
"portOfDest": "GBCHD"
"containerNo": [
    "GESU5599051"
],
"sbNo": 6870203,
"noOfPckgs": 60,
"portOfDest": "SAJED"
"containerNo": [
    "GESU5599051"
"sbNo": 6870248,
"noOfPckgs": 60,
"portOfDest": "SAJED"
"containerNo": [
    "SCZU7568376"
```



```
"sbNo": 6870276,
"noOfPckgs": 92,
"portOfDest": "GBCHD"
"containerNo": [
    "TRLU2539576"
"sbNo": 6870318,
"noOfPckgs": 26,
"portOfDest": "JOAQB"
"containerNo": [
    "GESU5599051"
"sbNo": 6870376,
"noOfPckgs": 77,
"portOfDest": "SAJED"
"containerNo": [
    "APZU4304783",
    "APZU4866559",
    "TEXU7203014",
    "TOLU3845507"
    "TPHU5324271"
],
"sbNo": 6870467,
'as": 720
"noOfPckgs": 7200,
"portOfDest": "GBCHD"
"containerNo": [
    "APZU3216667"
"sbNo": 6870616,
"noOfPckgs": 87,
"portOfDest": "SAJED"
"containerNo": [
    "APHU6118363"
"sbNo": 6870739,
"noOfPckgs": 12,
"portOfDest": "GBNWY"
```



```
"containerNo": [
    "TRLU3401426"
"sbNo": 6870766,
"noOfPckgs": 208,
"portOfDest": "YEADE"
"containerNo": [
    "CLHU8543705"
"sbNo": 6870982,
"noOfPckgs": 72,
"portOfDest": "BHBAH"
"containerNo": [
    "UESU5074508"
"sbNo": 6871082,
"noOfPckgs": 210,
"portOfDest": "USSAV"
"containerNo": [
    "APHU6684925"
],
"sbNo": 6871519,
"-\as": 808
"noOfPckgs": 808,
"portOfDest": "GBNWY"
"containerNo": [
    "APZU4265223"
"sbNo": 6871894,
"noOfPckgs": 51,
"portOfDest": "GBCHD"
"containerNo": [
    "APHU6684925"
"sbNo": 6872017,
"noOfPckgs": 73,
"portOfDest": "GBNWY"
```



```
"containerNo": [
    "APLU9937291"
"sbNo": 6872171,
"noOfPckgs": 50,
"portOfDest": "BHBAH"
"containerNo": [
    "FCIU3296581"
"sbNo": 6872230,
"noOfPckgs": 589,
"portOfDest": "YEADE"
"containerNo": [
    "APLU9939083"
"sbNo": 6872261,
"noOfPckgs": 132,
"portOfDest": "GBCHD"
"containerNo": [
    "APHU6684925"
],
"sbNo": 6872356,
5-\ss": 155
"noOfPckgs": 155,
"portOfDest": "GBNWY"
"containerNo": [
    "CLHU4517919"
"sbNo": 6872571,
"noOfPckgs": 1,
"portOfDest": "USABM"
"containerNo": [
    "CLHU4517919"
"sbNo": 6872572,
"noOfPckgs": 5,
"portOfDest": "USABM"
```



```
"containerNo": [
    "CLHU4517919"
"sbNo": 6872574,
"noOfPckgs": 1,
"portOfDest": "USABM"
"containerNo": [
    "CLHU4517919"
"sbNo": 6872575,
"noOfPckgs": 8,
"portOfDest": "USABM"
"containerNo": [
    "CLHU4517919"
"sbNo": 6872577,
"noOfPckgs": 152,
"portOfDest": "USABM"
"containerNo": [
    "CLHU4517919"
],
"sbNo": 6872579,
"noOfPckgs": 5,
"portOfDest": "USABM"
"containerNo": [
    "CLHU4517919"
"sbNo": 6872588,
"noOfPckgs": 30,
"portOfDest": "USABM"
"containerNo": [
    "CLHU4517919"
"sbNo": 6872591,
"noOfPckgs": 2,
"portOfDest": "USABM"
```



```
"containerNo": [
    "CLHU4517919"
"sbNo": 6872593,
"noOfPckgs": 3,
"portOfDest": "USABM"
"containerNo": [
    "CLHU4517919"
"sbNo": 6872596,
"noOfPckgs": 5,
"portOfDest": "USABM"
"containerNo": [
    "CLHU4517919"
"sbNo": 6872598,
"noOfPckgs": 2,
"portOfDest": "USABM"
"containerNo": [
    "CLHU4517919"
],
"sbNo": 6872601,
"noOfPckgs": 1,
"portOfDest": "USABM"
"containerNo": [
    "CLHU4517919"
"sbNo": 6872603,
"noOfPckgs": 2,
"portOfDest": "USABM"
"containerNo": [
    "CLHU4517919"
"sbNo": 6872605,
"noOfPckgs": 3,
"portOfDest": "USABM"
```



```
"containerNo": [
    "CLHU4517919"
"sbNo": 6872606,
"noOfPckgs": 128,
"portOfDest": "USABM"
"containerNo": [
    "CLHU4517919"
"sbNo": 6872612,
"noOfPckgs": 4,
"portOfDest": "USABM"
"containerNo": [
    "CLHU4517919"
"sbNo": 6872614,
"noOfPckgs": 4,
"portOfDest": "USABM"
"containerNo": [
   "CLHU4517919"
],
"sbNo": 6872616,
"noOfPckgs": 5,
"portOfDest": "USABM"
"containerNo": [
   "CLHU4517919"
"sbNo": 6872617,
"noOfPckgs": 3,
"portOfDest": "USABM"
"containerNo": [
    "CLHU4517919"
"sbNo": 6872618,
"noOfPckgs": 5,
"portOfDest": "USABM"
```



```
"containerNo": [
    "CLHU4517919"
"sbNo": 6872619,
"noOfPckgs": 43,
"portOfDest": "USABM"
"containerNo": [
    "CLHU4517919"
"sbNo": 6872620,
"noOfPckgs": 35,
"portOfDest": "USABM"
"containerNo": [
    "CLHU4517919"
"sbNo": 6872622,
"noOfPckgs": 5,
"portOfDest": "USABM"
"containerNo": [
   "CLHU4517919"
],
"sbNo": 6872648,
"noOfPckgs": 3,
"portOfDest": "USABM"
"containerNo": [
   "CLHU4517919"
"sbNo": 6872649,
"noOfPckgs": 60,
"portOfDest": "USABM"
"containerNo": [
    "APZU3921800"
"sbNo": 6872677,
"noOfPckgs": 20,
"portOfDest": "YEADE"
```



```
"containerNo": [
    "APRU5068890"
"sbNo": 6872841,
"noOfPckgs": 2448,
"portOfDest": "BHBAH"
"containerNo": [
    "APZU3921800"
"sbNo": 6872873,
"noOfPckgs": 790,
"portOfDest": "YEADE"
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"containerNo": [
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    "APZU3407010",
    "APZU3485429"
    "APZU3641590",
    "APZU3740606"
    "CAXU3290503",
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"noOfPckgs": 2500,
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                         "APZU4319058"
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                     "noOfPckgs": 5225,
                     "portOfDest": "GBNWY"
                     "containerNo": [
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                     "sbNo": 6887578,
                     "noOfPckgs": 1218,
                     "portOfDest": "GBNWY"
                     "containerNo": [
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                     "sbNo": 6887587,
                     "noOfPckgs": 1218,
                     "portOfDest": "USCHI"
            "egmNo": 21889,
            "egmDt": "20112008"
        "responseStatus": "SUCCESS"
"error": "false",
"code": "200",
"message": "Success"
```

Status Code 200: vehicle data response

Status Code 400: Bad request (Invalid JSON syntax, invalid JSON key)

Status Code 401 or 403: Unauthenticated or Unauthorized **Status Code 500**: Some internal server error occurred

Status Code 502: Server is not responding.

1.11 Data Transmission & Authentication Mechanism



All data exchange would be done over secure HTTP (HTTPS). Request from ULIP's system would be made in ICEGATE system through a data exchange URL that has following form:

https://www.ulip.dpiit.gov.in/ulip/v1.0.0/ICEGATE/01

Body:

```
{"igmNo":"1234","igmDt":"25102021"}
```

Access to above data exchange URL would be authorized by use of a security mechanism implemented by the ULIP system. It is as follows:

• <u>First time access:</u> It would require a username and password [which would be shared with user beforehand]. Once user hit with valid user id and password, ULIP system will return a basic authorization token to user, using that token user will communicate with ULIP system until token will not get expired.

Brief summary of HTTP Basic Authentication is as follows:

First time when User will hit ULIP secured API through username and password for access token as follow-

```
curl -X POST
'https://www.ulip.dpiit.gov.in/ulip/v1.0.0/user/login
-H 'accept: application/json'
-H 'content-type: application/json'
-data '{"username":"xxxxxxx","password":" XXxxx@12345"} '
```

Authorization:

Bearer

eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJpbnRlcmNvbnQiLCJpYXQiOjE1ODU1NjYyMzcsImFwcHMi OiJkYXRhcHVzaCJ9.jb-23DbkWpz-3ptsuuZofzHce7jd0xR5WlkFfBPO_Dzjop01dSx9OamqsjsgUAryLUPtUDiMX07oHG4L2AfFQ

Upon successful authentication, the user would be logged into the ULIP system and get an access token. Though this token user can communicate with ULIP. This token has expiry time which represent user session. The session time out for the same to be fixed hour, generally it is for 30 minutes. If there is no request coming from user for 30 minutes, then session (token) will be expired and user need to re authenticate.

Using The above token, user can request ULIP system for vehicle details as follow -

```
curl -X POST \
  https://www.ulip.dpiit.gov.in/ulip/v1.0.0/ICEGATE/01 \
  -H 'accept: application/json' \
```

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```
-H 'authorization: Bearer
eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJ0ZXN0MSIsImLhdCI6MTYyNTIzMDQyNywiYXBwcyI6ImRh
dGFwdXNoIn0.rhumwWJ8BWeeHe9CYmIV1UKyJk-kLHA_ovX5Zi2OwxEv-td-
KpxnfbKDI_8FZsOoggqx3Al-Du1y2qMoUD7uzA' \
-H 'cache-control: no-cache' \
-H 'content-type: application/json' \
-H 'postman-token: 8e8a19a4-ea1e-6373-f616-e2e4af9a1338' \
-d '{"igmNo":"1234","igmDt":"25102021"}'
```

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