



Integration of API to retrieve party details based on UIN

V 1.0

API Integration Document

API to retrieve party details based on UIN

Introduction:

API to facilitate Bank/NBFC to get the details of the party using their registered UIN (including UINs created/assigned by NeSL).

Request URL:

Below is the end point URL on which the data is to be submitted:

<https://stg.nesl.co.in/DDEeBGAddOnAPI/partydataretrieval/request>

There is a Basic Auth implementation in the API considering **userid:password** as an input to Basic Authentication. The **userid** and **password** will be same as DDE login credentials.

Request Parameters:

Below are the request parameters:

SI No	Parameter Details	Parameter Name	Field Type	Mandatory	Description
1	Unique Identification Number	uin	Alpha Numeric	Y	Unique Identification Number of the party
2	Unique Transaction Id	txnId	Numeric	Y	8-digit unique transaction Id

Encrypted Request JSON payload:

Bank/NBFC will encrypt the request json object using a 32-bit session key using AES algorithm with CBC mode and IV parameter of length 16 and the session key will be encrypted using RSA algorithm using NeSL public certificate.

Encrypted session key will be sent in API request as part of **sessionId** parameter and encrypted request json will be sent as part of **cipherText** parameter.

Bank/NBFC will then digitally sign the unencrypted request json object using their private certificate and append the digital signature in the API request.

```
{
  "sessionId" : "ghegjskjakjkJAKJaksdsdghjhg",
  "ciphertext" :
  "hdgydfryewtysYFAYSGYDFGDGSGAgashdegfgdgGuarogfjdzsyugii,
  "digisign" :
  "sdjgfkksdfjwelhrowernsdfbsdkljfjasb2342asklfbsdklbfdsdlfs
  dl"
}
```

Unencrypted Request JSON payload:

```
{
  "uin" : "XXXXX0001X",
  "txnId" : "12345678"
}
```

Response Parameters:

Below are the response parameters:

SI No	Parameter Details	Parameter Name	Field Type	Description
1	Unique Identification Number	uin	Alpha Numeric	Unique Identification Number of the party
2	Status code	statusCode	Alpha Numeric	Status code to determine success with 1 or the appropriate error code in case of error
3	Status message	statusMsg	Alpha	Status message to get the respective error message or Success
4	Party Name	name	Alpha Numeric	This will be the name of the party associated with the UIN
5	Legal Constitution of the party	lgl_cnstn	Alpha	Legal Constitution of the party
6	Date of Birth or Date of Incorporation of the party	doi	yyyy-mm-dd	Date of Birth or Date of Incorporation of the party
7	Party email ID	eml_id	Alpha Numeric	Email address of the party
8	Contact number	cntct_no	Numeric	Contact number of the party
9	Registered office address	reg_addr	Alpha Numeric	Registered office address of the party
10	Registered office address pincode	reg_pin	Numeric	PIN code for registered address
11	Communication address	comm_addr	Alpha Numeric	Communication address of the party
12	Communication address pincode	comm_pin	Numeric	PIN code for Communication address
13	Txn ID	txnId	Numeric	8-digit unique transaction Id

Encrypted Response JSON payload:

NeSL will encrypt the response json object using a 32-bit session key using AES algorithm with CBC mode and IV parameter of length 16 and the session key will be encrypted using RSA algorithm using client's public certificate.

Encrypted session key will be sent in API response as part of **sessionId** parameter and encrypted response json will be sent as part of **cipherText** parameter.

NeSL will then digitally sign the unencrypted response json object using NeSL private certificate and append the digital signature in the API response.

```
{
  "sessionId" : "ghegjskjakjkJAKJaksdsdghjhg",
  "ciphertext" :
  "hdgydfryewtysYFAYSGYDFGDGSGAgashdegfgdgGuarogfjdzsyugiir
ur,
  "digisign" :
  "sdjgfkjsdfjwelhrowernsdfbsdkljfjasb2342asklfbdklbfSDLfs
dl"
}
```

Unencrypted Response JSON payload:

Success response payload :

```
{
  "uin" : "XXXXX0001X",
  "statusCode" : "1",
  "statusMsg" : "Success",
  "name": "XXX Corporation Ltd",
  "lgl_cnstn": "Private Ltd",
  "doi": "2020-03-27",
  "eml_id": "abc@abc.co.in",
  "cntct_no": "9999999999",
  "reg_addr": "27, East coast Road,400021, Mumbai",
  "reg_pin": "400001",
  "comm_addr": "27, East coast Road,400021, Mumbai",
  "comm_pin": "400001",
  "txnId" : "12345678"
}
```

Failure response:

```
{
  "uin" : "XXXXXX0001X",
  "statusCode" : "ER004",
  "statusMsg" : "No data found",
  "txnId" : "12345678"
}
```

List of error codes :

SI No	Error code	Error description
1	ER001	Not an Authorised user.
2	ER002	Missing input parameters.
3	ER003	Invalid input parameters.
4	ER004	No data found.
5	ER005	Invalid Digital Signature.
6	ER006	Unable to process the request.