E-Invoice ASP/GSP

Encryption/Decryption Utility

Version 1.0

`

September 23, 2020

BDO India LLP - Technology Services

Revision History

Revision	Revision Date	Description of Change
v1.0	Sept 23, 2020	Initial Document

List of API

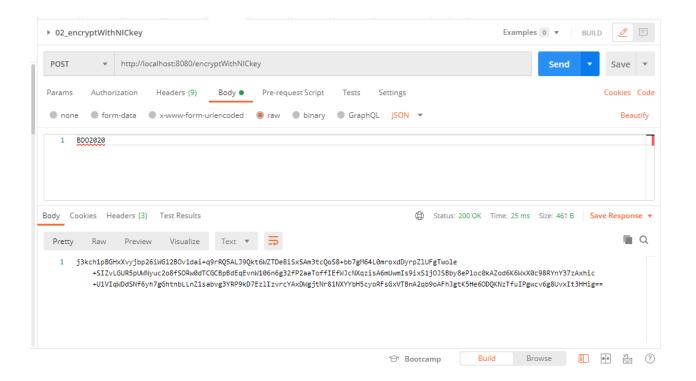| Sl No.	API Service	API Description
1.	Get App key	http://localhost:8080/getappkey
2.	Encrypt with NIC Key	http://localhost:8080/encryptWithNICkey
3.	Encrypt with BDO Key	http://localhost:8080/encryptWithBDOkey
4.	Decrypt sek	http://localhost:8080/decryptsek
5.	Encrypt Payload	http://localhost:8080/encryptPayload?decryptedSek=ss
6.	Decrypt Response	http://localhost:8080/decryptResponse?decryptedSek=ss

Setup Property File :

bdo.public.key.path=<path>/Public_EInvoice_Sandbox_New.pem

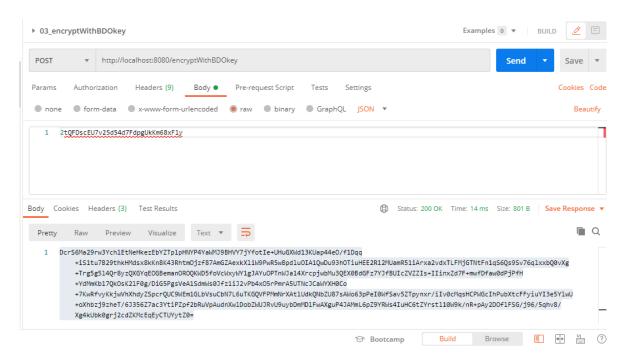nic.public.key.path=<Path>/nic_public_key.key
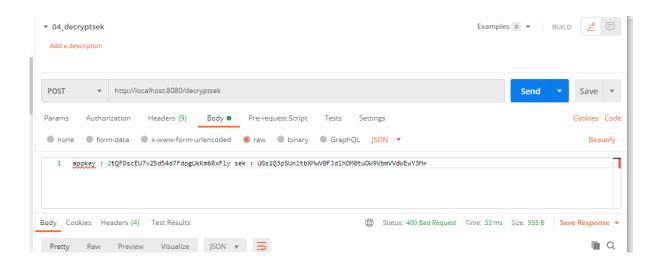
1)GET App Key

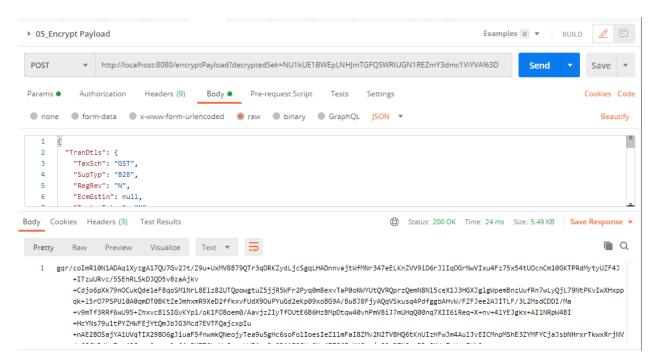

2) Encrypt with NIC Key

3) Encrypt with BDO Key

4) Decrypt Sek

5)Encrypt Payload

05_Encrypt Payload — Examples 0 — BUILD

POST — http://localhost:8080/encryptPayload?decryptedSek=NU1kUE1BWEpLNHJmTGFQSWRIUGN1REZmY3dmc1ViYVA%3D — Send — Save

Params ● | Authorization | Headers (9) | Body ● | Pre-request Script | Tests | Settings — Cookies Code

none | form-data | x-www-form-urlencoded | ● raw | binary | GraphQL | JSON ▼ — Beautify

```
1  {
2    "TranDtls": {
3      "TaxSch": "GST",
4      "SupTyp": "B2B",
5      "RegRev": "N",
6      "EcmGstin": null,
```

Body | Cookies | Headers (3) | Test Results — Status: 200 OK Time: 24 ms Size: 5.49 KB — Save Response

Pretty | Raw | Preview | Visualize | Text ▼

gqr/coImR10N1ADAq1XyzgA17QU7Gv2Jt/Z9u+UxMV8B79QTr3qDRKZydLjcSgqLHADnnvajtWfMNr347eELKnZVV9iD6rJ1IqOGrNwVIxu4Fz75x54tUOcnCm10GKTPRdMytyUZF4J
+ITzuURvc/5SEhRLSkDJQD5v8zaAjkv
+Cdjo6pXk79nOCukQde1eF8qoSM1NrL8E1z82UTQpowgtuZ5jjR5WFr2Pyq0m8exvTaP0oNWYUtQVRQprzQemN8N15ceX1J3HGXJg1gWpemBnzUufRn7wLyQjL79NtPKvIwXHxpp
qk+15rO7PSPU10A0qmDT0BKtZeJmhxmR9XeD2ffkxvFUdX9OuPYuGd2eKp09xoBG9A/BuBJ8FjyAQqVSkusq4PdfggbAHvW/FZFJee2AJITLF/3L2MsdCDDI/Ma
+v9mTf3RRf6wU95+ZhxvcB1SIGvKYp1/oK1FO8oem0/AavjzZIyTfOUtE6B6HzBMpDtqw40vhPmV8iJ7mUHqQ00nq7XII6iReq+X+nv+41YEJgkx+AI1NRpW4BI
+HcYNs79u1tPYZHWFEjYtQmJbJG3Mcd7EVTFQajcxpIu
+nAE2BOSajYA1UVqTIX298O6gJiuaF5fnwmkQNeojyTea9u5gHc6soFo1IoesIeZ11mFaI8ZMv2N2TV8HQ6tKnUIzHFwJm4Au1JvEICMnpMShE3ZYMFYCjaJsbNHrxrTkwxRrjNV

6) Decrypt Payload

06_decryptNicResPayload — Examples 0 — BUILD

POST — http://localhost:8080/decryptResponse?decryptedSek=NU1kUE1BWEpLNHJmTGFQSWRIUGN1REZmY3dmc1ViYVA= — Send — Save

Params ● | Authorization | Headers (9) | Body ● | Pre-request Script | Tests | Settings — Cookies

Query Params

	KEY	VALUE	DESCRIPTION	··· Bulk
☑	decryptedSek	NU1kUE1BWEpLNHJmTGFQSWRIUGN1REZmY3dmc1 ...		
	Key	Value	Description	

Body | Cookies | Headers (4) | Test Results — Status: 500 Internal Server Error Time: 28 ms Size: 368 B — Save Response

Pretty | Raw | Preview | Visualize | JSON ▼

```
1  {
```