



Merchant's API Implementation Guide

API Version 1.1

10 Feb 2017

Statement of Confidentiality

This document contains information that is proprietary and confidential to Avenues India Private Limited which shall not be disclosed, transmitted, or duplicated, used in whole or in part for any purpose other than its intended purpose. Any use or disclosure in whole or in part of this information without express written permission of Avenues India Private Ltd is prohibited. Any other company and product names mentioned are used for identification purposes only, and may be trademarks of their respective owners.

HDFC API

The HDFC API is designed to enable you to interact securely with our API from your client-side web application. You can get XML, JSON or String responses from the API, including errors.

You need an active account to initiate an API call to the HDFC payment gateway.

API Authentication

Merchant needs an active account to initiate an API call to the HDFC payment gateway. Merchants will have to log in to their HDFC M.A.R.S account and get the authentication credentials for initiating API calls.

Merchant must provide HDFC with the public IP address from where the API calls will be initiated. API calls will work only after HDFC registers the IP address provided.

Login to your HDFC M.A.R.S account, under Settings tab -> API Keys page; copy the following credentials:

1. Merchant ID
2. Access Code
3. Encryption Key

API Calls

HDFC API supports following API calls.

1. [Confirm](#) – The Confirm API call allows you to confirm a pending order. Only confirmed orders are settled into the merchant’s account. An order older than 12 days is automatically cancelled. Once an order has been auto-cancelled by the system, it cannot be confirmed.
2. [Cancel](#) – The Cancel API call allows you to cancel a pending order. Funds will be refunded to the credit card or debit card or net banking account that was originally charged. An order older than 12 days is automatically cancelled.
3. [Refund](#) – The Refund API call allows you to refund an order/transaction that has previously been executed but not yet refunded. Funds will be refunded to the credit card or debit card or net banking account that was originally charged.
4. [Status](#) – The Status API call can be used to ascertain the status of a transaction/order. You can use this call if you have not received status/information for a transaction request. It can also be used as an additional security measure to reconfirm the parameters posted back.
5. [Order Lookup](#) – The Order Lookup API call can be used to find transactions/orders based on given criteria.
6. [Pending Orders](#) – The Pending Orders API call can be used to list transactions which are yet to be confirmed or cancelled. Pending orders need to be confirmed for them to be settled, those older than 12 days are automatically cancelled.
7. [Get Customer Payment Option](#) – The Customer payment option API call is used to list payment options saved for a customer. Payments options are saved for a customer in the vault for easy and convenient payment.
8. [Delete Customer Payment Option](#) - The Delete Customer Payment Option API call is used to delete a particular payment option saved for the customer.
9. [Delete Customer](#) - The Delete Customer API call is used to delete all saved payment options for the customer.
10. [Generate Invoice](#) - The Invoice API call is used to generate an invoice for a customer. Values can be passed as for generating invoice using the flexibility of Invoice Settings.
11. [Generate Recurring Invoice](#) - Recurring invoice call is used to generate recurring invoice for a customer of a merchant .

12. [Generate Quick Invoice](#) - This Quick Invoice API call is used to generate a quick invoice for a customer. This is a flavour of regular invoice but with limited options; hence an easy implementation.
13. [Get Item List](#) - The Item list API call is used to find the list of configured Items and task for merchant. The items and tasks are used to create a regular Invoice or a recurring invoice.
14. [Invoice Lookup](#) - Invoice Lookup API call is used to find list of invoice order lookup details of orders.
15. [Update Merchant Invoice Reference No](#) - Update Invoice reference Number API call is used to update Invoice reference number if the same was not provided at the time of invoice generation.
16. [Update Merchant Param](#) - Update Merchant params API is used to add some extra parameter against Merchant params if the same could not be done at the time of the transaction.
17. [Update Billing Details](#) - Update billing details API call is used to update customer billing information against an order.
18. [Add Customer Payment Option](#) – Add Customer payment option API call is used to add another payment option for registered customer of the merchant.

Production API URL:-<https://login.ccavenue.com/apis/servlet/DoWebTrans>

Staging API URL:-<https://logintest.ccavenue.com/apis/servlet/DoWebTrans>

Encryption of Request for API Calls

Requests sent to HDFC will hold the parameters mentioned in the table below. `enc_request`, has to be encrypted using AES similar to the method used for real-time transaction. Encryption key is mapped to Access code as mentioned in API Authentication section.

Name	Description
<code>enc_request</code> (required)	AES encrypted request data.
<code>access_code</code> (required)	This is the access code for your application. You must send this with each request.
<code>command</code> (required)	This is the command to access the API Calls. You must send this with each request.
<code>request_type</code> (required)	API requests are accepted in XML, JSON or String. Specify the request type.
<code>response_type</code> (optional)	API returns XML, JSON or String responses. If left blank, the response will be in the same format as request.
<code>version</code> (required)	This is the version to access API based on version calls and current possible values is 1.1

Example:

```
enc_request=63957FB55DD6E7B968A7588763E08B240878046EF2F520C44BBC63FB9CCE726209A4734877F5904445591304ABB2F5E598B951E39EAFB9A24584B00590ADB077ADE5E8C444EAC5A250B1EA96F68D22E44EA2515401C2CD753DBA91BD0E7DFE7341BE1E7B7550&access_code=8JXENSSBEZCU8KQ&command=confirmOrder&request_type=XML&response_type=XML&version=1.1
```

Decryption of Response for API Calls

Response received from HDFC will hold the parameters mentioned in the table below. enc_response, when encrypted will have to be decrypted using AES similar to the method used for real-time transactions. Encryption key is mapped to Access code as mentioned in API Authentication section.

Name	Description
enc_response	AES encrypted response containing format as per <i>response_type</i> .
enc_error_code	enc_error_code contains value if status is "1" please refer below table for the error code.
status	This states whether the call was successful or not. If value of this parameter is "1" then you need not decrypt the enc_response as it will contain plain error message.

Note: - Possible refer [below table](#) for enc_response value when status value is "1" as follows.

Example:

Successful:

```
status=0&enc_response=63957FB55DD6E7B968A7588763E08B240878046EF2F520C44BBC63FB9CCE726  
209A473457E6B13721EC6D05ED13A0483ACFDD6F11F284AE79755D47E79687478F93CFCD3CD97510B6  
7B961CDB5279F209F5C451F3039696F13C990B963854C8CADF730&enc_error_code=
```

Error:

```
status=1&enc_response=Access_code: Invalid Parameter&enc_error_code=51407.
```

1. Confirm

Confirm API call allows you to confirm a pending order. Only confirmed orders are settled into the merchant's account. An order older than 12 days is automatically cancelled. Once an order has been auto-cancelled by the system, it cannot be confirmed. You can optionally confirm only part of an order. Remember, you can do so only once. Remaining funds will be refunded to the credit card or debit card or net banking account that was originally charged.

Request Parameters

Name	Description	Note
enc_request (required)	AES encrypted string containing request parameters.	
access_code (required)	Unique HDFC access code which is generated when merchant registered their IP address. You must send this with each request.	
request_type (required)	API requests are accepted in XML, JSON or String. Specify the request type.	Possible value for request_type is "XML" or "JSON" or "STRING".
response_type (optional)	API returns responses in XML, JSON or String format. If left blank, the response will be in the same format as request.	Possible value for response_type is "XML" or "JSON" or "STRING".
Command (required)	Command value specifies the API calls. You must send this with each request.	Possible value for this API call is "confirmOrder".
reference_no (required)	Unique HDFC reference number for the transaction.	Numeric(25)
amount (required)	Transaction amount to be captured. Amount can be full or partial of the transaction amount.	Decimal(12,2)

Example XML Request

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Order_List>
  <order reference_no="123456789" amount="1.00" />
  <order reference_no="123456789" amount="2.00" />
</Order_List>
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Example JSON Request

```
{
  "order_List": [
    { "reference_no": "203000099429", "amount": "1.00"},
    { "reference_no": "203000104640", "amount": "1.00"}
  ]
}
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Example STRING Request

Format: reference_no\$amt|reference_no\$amt|reference_no\$amt|

Example: 203000099429\$1.00|203000104640\$1.00|

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Response Parameters

Name	Description	Note
status	This states whether the call was successful or not. If value of this parameter is "1" then you need not decrypt the enc_response as it will contain plain error message.	Value "0" denotes that the API call was successful. Value "1" denotes API call failure. On enc_response is plain text represents the error message.
enc_response	AES encrypted response containing format as per response_type	
success_count	Merchant checks the successfully processed records for confirmation of the transactions.	Numeric $0 \leq \text{success_count} \leq$ Number of orders to be confirmed.
reference_no	Unique HDFC reference numbers for the transaction.	Numeric(25)
reason	Failure reason if the given unique reference_no not going to confirm.	String Please refer below table for failure message.
error_code	Error code for Failure.	String Please refer below table for failure message.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Order_Result error_code="">
  <error_desc></error_desc>
  <success_count>0</success_count>
  <failed_List>
    <failed_order error_code="51304 " reason=" Invalid order/tracking id "
reference_no="123456788"/>
    <failed_order error_code="51206" reason="Order List: Invalid Parameter"
reference_no="123456788"/>
  </failed_List>
</Order_Result>
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example JSON Response

```
{
  "failed_List":[
    {"reference_no":"123456788","reason":" Invalid order/tracking id
","error_code":"51304 "},
    {"reference_no":"123456788","reason":"Order List: Invalid
Parameter","error_code":"51206"}
  ],
  "error_desc": "",
  "success_count":0,
  "error_code":""
}
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example STRING Response

Format: success_count|error_code\$reference_no\$reason^error_code\$reference_no\$reason|

Example: 0|51304 \$123456788\$ Invalid order/tracking id ^51206\$123456788\$Order List: Invalid Parameter|

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

2. Cancel

Cancel API call allows you to cancel a pending order. An order older than 12 days is automatically cancelled. Once an order has been cancelled/auto-cancelled by the system, it cannot be confirmed. Funds will be refunded to the credit card or debit card or net banking account that was originally charged.

Request Parameters

Name	Description	Note
enc_request (required)	AES encrypted request data	
access_code (required)	Unique HDFC access code which is generated when merchant registered their IP address. You must send this with each request.	
request_type (required)	API requests are accepted in XML, JSON or String. Specify the request type.	Possible value for request_type is "XML" or "JSON" or "STRING".
response_type (optional)	API returns responses in XML, JSON or String format. If left blank, the response will be in the same format as request.	Possible value for response_type is "XML" or "JSON" or "STRING".
Command (required)	Command value specifies the API calls. You must send this with each request.	Possible value for this API call is "cancelOrder"
reference_no (required)	Unique HDFC reference number for the transaction.	Numeric(25)
amount (required)	Transaction amount to be captured. Amount can be full or partial of the transaction amount.	Decimal(12,2)

Example XML Request

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Order_List>
  <order reference_no="123456788" amount="1.00" />
  <order reference_no="123456789" amount="2.00" />
</Order_List>
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Example JSON Request

```
{
  "order_List": [
    {"reference_no":"203000099429","amount": "1.00" },
    {"reference_no":"203000099429","amount": "1.00" }
  ]
}
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Example STRING Request

Format: reference_no\$amt|reference_no\$amt|

Example: 203000099429\$1.00|203000104640\$101.23|

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Response Parameters

Name	Description	Note
status	This states whether the call was successful or not. If value of this parameter is "1" then you need not decrypt the enc_response as it will contain plain error message.	Value "0" denotes that API call is successful. Value "1" denotes API call failure. On enc_response is plain text that represents the error message.
enc_response	AES encrypted response containing format as per <i>response_type</i>	
success_count	Merchant checks the successfully processed records for cancellation of the transactions.	Numeric 0<=success_count<= Number of orders for the cancel request.
reference_no	Unique HDFC reference number for the transaction.	Numeric(25)
reason	Failure reason if given reference_no are not going to cancel successfully.	String Please refer below table for failure message.
error_code	Error code for Failure reason.	String Please refer below table for failure message.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Order_Result error_code="">
  <error_desc></error_desc>
  <success_count>0</success_count>
  <failed_List>
    <failed_order error_code="51304 " reason=" Invalid order/tracking id "
reference_no="123456788"/>
    <failed_order error_code="51206" reason="Order List: Invalid Parameter"
reference_no="123456788"/>
  </failed_List>
</Order_Result>
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example JSON Response

```
{
  "failed_List":[
    {"reference_no":"123456788","reason":" Invalid order/tracking id
","error_code":"51304 "},
    {"reference_no":"123456788","reason":"Order List: Invalid
Parameter","error_code":"51206"}
  ],
  "error_desc": "",
  "success_count": 0,
  "error_code": ""
}
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example STRING Response

Format: success_count|error_code\$reference_no\$reason^error_code\$reference_no\$reason|

Example: 0|51304 \$123456788\$ Invalid order/tracking id ^51206\$123456788\$Order List: Invalid Parameter|

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

3. Refund

The Refund API call allows you to refund an order/transaction that has previously been executed but not yet refunded. Funds will be refunded to the credit card or debit card or net banking account that was originally charged.

Request Parameters

Name	Description	Note
enc_request (required)	AES encrypted request data	
access_code (required)	Unique HDFC access code which is generated when merchant registered their IP address. You must send this with each request.	
request_type (required)	API requests are accepted in XML, JSON or String. Specify the request type.	Possible value for request_type is "XML" or "JSON" or "STRING".
response_type (optional)	API returns XML, JSON or String responses. If left blank, the response will be in the same format as request.	Possible value for response_type is "XML" or "JSON" or "STRING".
command (required)	Unique name which specifies the API Call. You must send this with each request.	Possible value for command to this API call is "refundOrder".
reference_no (required)	Unique HDFC reference number for the transaction.	Numeric(25)
refund_amount (required)	Transaction amount to be refund. Amount can be full or partial of the transaction amount.	Decimal(12,2).
refund_ref_no (required)	Unique reference number shared by merchant to refund the captured transaction amount.	AlphaNumeric(30)

Example XML Request

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Refund_Order_Query reference_no="1236547" refund_amount="1.0" refund_ref_no="API1234">
</Refund_Order_Query>
```

Note: You will have to encrypt the above request and store in the "enc_request" parameter before sending it to HDFC. Kindly refer to the encryption section.

Example JSON Request

```
{  
  "reference_no":"1236547",  
  "refund_amount":"1.0",  
  "refund_ref_no":"API1234"  
}
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Example STRING Request

Format: reference_no|refund_amount|refund_ref_no|

Example: 203000094245|1.00|API1234|

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Response Parameters

Name	Description	Note
status	This states whether the call was successful or not. If value of this parameter is "1" then you need not decrypt the enc_response as it will contain plain error message.	Value "0" denotes the API call was successful. Value "1" denotes API call failure. On enc_response is plain text represents the error message.
enc_response	AES encrypted response containing format as per <i>response_type</i>	
refund_status	Refund status specifies whether given refund request is going to succeed or fail.	Numeric Value "0" denotes refund was successful Value "1" denotes refund was failure.
reason	Failure reason if the refund request is going to fail for the transactions.	String Please refer below table for failure message.
error_code	Error code for Failure reason.	String Please refer below table for failure message.

Example XML Response

Success Response:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Refund_Order_Result reason="" refund_status="0" reason="" error_code=""/>
```

Failure Response:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Refund_Order_Result reason="Reference number: Invalid Parameter" refund_status="1"
error_code="51310"/>
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example JSON Response

Success Response:

```
{
  "reason": "",
  "error_code": "",
  "refund_status": 0
}
```

Failure Response:

```
{
  "reason": "Reference number: Invalid Parameter",
  "error_code": "51310",
  "refund_status": 1
}
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example STRING Response

Success Response:

Format: refund_status|

Example: 0|

Failure Response:

Format: refund_status|error_code|reason|

Example: 1|51310|Reference number: Invalid Parameter|

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

4. Status

The Status API call can be used to ascertain the status of a transaction/order. You can use this call if you have not received status/information for a transaction request. It can also be used as an additional security measure to reconfirm the parameters posted back.

Request Parameters

Name	Description	Note
		Parameters Datatype (Parameters max length)
enc_request <i>(required)</i>	AES encrypted request data	
access_code <i>(required)</i>	Unique HDFC access code which is generated when merchant registered their IP address. You must send this with each request.	
request_type <i>(required)</i>	API requests are accepted in XML, JSON or String. Specify the request type.	Possible value for request_type is "XML" or "JSON" or "STRING" .
response_type <i>(optional)</i>	API returns responses in XML, JSON or String format. If left blank, the response will be in the same format as request.	Possible value for response_type is "XML" or "JSON" or "STRING" .
command <i>(required)</i>	Command value specifies the API calls. You must send this with each request.	Value is "orderStatusTracker" .
reference_no <i>(conditional)</i>	HDFC reference no allocated to the transaction. Reference number is required if you doesn't share order_no.	Numeric(25).
order_no <i>(conditional)</i>	This is the merchant reference number for the transaction. Order number is required if you doesn't share reference_no.	AlphaNumeric with special characters (hyphen and underscore)(30).

Example XML Request

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Order_Status_Query order_no="33231644" reference_no="225013271813"/>
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Example JSON Request

```
{
  "reference_no": "225013271813",
  "order_no": "33231644"
}
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Example STRING Request

Format: reference_no|order_no|

Example: 225013271813|33231644|

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Response Parameters

Name	Description	Note
status	This states whether the call was successful or not. If value of this parameter is "1" then you need not decrypt the enc_response as it will contain plain error message.	Value "0" denotes that the API call was successful. Value "1" denotes API call failure. On enc_response is plain text represents the error message.
enc_response	AES encrypted response containing format as per <i>response_type</i>	
order_amt	Amount for the transaction.	Decimal(12,2).
order_bill_address	Order billing address details for the order.	Possible value for address is Alphanumeric with special characters (space, hyphen, comma, ampersand(&), hash(#), circular brackets and dot)(315)
order_bill_city	Order billing City name for the order.	Possible value for city is Alphanumeric with special characters (space, comma, hyphen and dot)(30).
order_bill_country	Order billing country for the Order.	Possible value for country is Alphanumeric with special characters (space)(30).
order_bill_email	Email Address of the Order for notifications.	Possible value for email id is Alphanumeric with special characters (hyphen, underscore, dot, @)(70).
order_bill_name	Order billing name for the order.	Possible value for name is Alphanumeric with special characters (space, hyphen, apostrophe, underscore, dot)(60).
order_bill_state	Order billing state for the order.	Alphanumeric with special characters (hyphen, dot and space)(30).
order_bill_tel	Order billing telephone no for the order.	Numeric(10)
order_bill_zip	Order billing address's pincode for the order.	Possible value for zip is AlphaNumeric with special characters(hyphen and space) (15).
order_capt_amt	Captured amount for the transaction. Capture amount can be full or partial of the transaction amount.	Decimal(12,2).
order_curr	Possible order Currency in which merchant processed the transaction.	String Examples: INR – Indian Rupee

		USD – United States Dollar SGD – Singapore Dollar GBP – Pound Sterling EUR – Euro, official currency of Eurozone
order_date_time	Order Generated Date &Time.	DateTime in IST(yyyy-MM-dd HH:mm:ss.SSS) format.
order_device_type	This is the type of device using which the transaction was processed.	Possible value for device type is IVRS/MOB/PC .
order_discount	This is Discount Value for the Order No.	Decimal(12,2).
order_fee_flat	Flat Fee for the Order No.	Decimal(12,2).
order_fee_perc	Provides the percentage fee for the same order No.	Decimal(12,2).
order_fee_perc_value	This attribute provides the percentage fee Value for the same order No.	Decimal(12,2).
order_fraud_status	Specify whether orders are valid or not.	String Possible Values are: 1) Value “ High ” denotes “High Risk” 2) Value “ Low ” denotes “Low Risk” 3) Value “ NR ” denotes “No Risk” 4) Value “ GA ” denotes “Go Ahead” 5) Value “ NA ” denotes “Not Applicable”
order_gross_amt	Total transaction amount.	Decimal(12,2).
order_ip	Customer IP Address (i.e. from where transaction is being initiated)	IP V-4 Supported.
order_no	Order No for the transaction.	AlphaNumeric with special characters(hyphen and underscore)(30).
order_notes	Order information you wish to provide.	AlphaNumeric with special characters (space, comma, dot, hyphen and underscore)(60).
order_ship_address	Shipping Address for the order.	Possible value for address is Alphanumeric with special characters (space, hyphen, comma, ampersand(&), hash(#), circular brackets and dot)(315)
order_ship_city	Shipping city name for the orders.	Possible value for city is Alphanumeric with special characters (space, comma, hyphen and dot)(30).
order_ship_country	Shipping country name for the orders.	Possible value for country is Alphanumeric with special characters (space)(30).
order_ship_email	Shipping email ID for the notifications of the	Possible value for email id is

	transaction.	Alphanumeric with special characters (hyphen, underscore, dot, @)(70).
order_ship_name	Shipping Name of the Customer for the order.	Possible value for name is Alphanumeric with special characters (space, hyphen, apostrophe, underscore, dot)(60).
order_ship_state	Shipping state for the order.	Alphanumeric with special characters (hyphen, dot and space)(30).
order_ship_tel	Telephone no for notifications of the transaction.	Numeric(10).
order_ship_zip	Order shipping address's pin code for the order.	Possible value for zip is AlphaNumeric with special characters(hyphen and space) (15).
order_status	Status of the order. It can be single or multiple.	String Possible values are: Aborted (transaction is cancelled by the User) Auto-Cancelled (transaction has not confirmed within 12 days hence auto cancelled by system) Auto-Reversed (two identical transactions for same order number, both were successful at bank's end but we got response for only one of them, then next day during reconciliation we mark one of the transaction as auto reversed) Awaited (transaction is processed from billing shipping page but no response is received) Cancelled (transaction is cancelled by merchant) Chargeback Invalid (Transaction sent to HDFC with Invalid parameters, hence could not be processed further) Fraud (we update this during recon, the amount is different at bank's end and at HDFC due to tampering) Initiated (transaction just arrived on billing shipping page and not processed further) Refunded (Transaction is refunded.) Shipped (transaction is confirmed)

		Successful Unsuccessful (transaction is not successful due to)
order_status_date_time	This is the latest date and time when order status is modified.	Date/Time in IST(yyyy-MM-dd HH:mm:ss.SSS) format.
order_TDS	Amount of TDS (tax deducted at source) for the Transaction.	Decimal (13,4)
order_tax	Tax Amount for the Transaction.	Decimal (13,4)
reference_no	HDFC reference no allocated to the transaction.	Numeric(25).
order_bank_ref_no	Unique reference number shared by Bank after successful transaction.	Numeric(25).
order_bank_response	Description about the transaction shared by the bank after transaction.	String
order_gtw_id	Unique payment option Bank name.	Alphabet(6)
order_card_name	Specify the card name for the transaction.	Possible value for card name is VISA ," MASTERCARD "," AMEX "," JCB "," ECRD "," DINERS CLUB "," DSNV "," CTBL "," CVMS ".
order_option_type	Specify the payment option type for the order.	String Possible value for payment option type is OPTCASHC -Cash card OPTCRDC -Credit Card OPTDBCRD -Debit Card OPTEMI -EMI OPTIVRS -IVRS OPTMOBP -MobilePayments OPTNBK -Net Banking OPTWLT - Wallet OPTUPI - Unified Payments
page_count	Total pages available based on <i>no_of_records</i> in the request	Example: <i>no_of_records</i> sent in request was 100
total_records	Total no.of orders matching the lookup criteria	<i>total_records</i> matching the lookup criteria were 1000 <i>page_count</i> will be 10 (<i>total_records</i> / <i>no_of_records</i>) rounded to the ceiling
error_desc	Reason if search criteria did not find the orders for the transactions.	String Please refer below table for failure message.
error_code	Error code for Failure reason.	String Please refer below table for failure message.

Example XML Response

Success Response:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Order_Status_Result error_code="">
  <error_desc></error_desc>
  <order_TDS>0.0</order_TDS>
  <order_amt>1.0</order_amt>
  <order_bank_ref_no>289049</order_bank_ref_no>
  <order_bank_response>Approved</order_bank_response>
  <order_bill_address>Room no 1101, near Railway station</order_bill_address>
  <order_bill_city>Indore</order_bill_city>
    <order_bill_country>India</order_bill_country>
    <order_bill_email>xxxxx.xxx@xxxxx.xxxx</order_bill_email>
    <order_bill_name>Shashi</order_bill_name>
    <order_bill_state>MP</order_bill_state>
    <order_bill_tel>1234567890</order_bill_tel>
    <order_bill_zip>425001</order_bill_zip>
    <order_capt_amt>0.0</order_capt_amt>
    <order_card_name>Amex</order_card_name>
    <order_currncy>INR</order_currncy>
    <order_date_time>2015-04-13 10:59:05.517</order_date_time>
    <order_device_type>PC</order_device_type>
    <order_discount>0.0</order_discount>
    <order_fee_flat>0.0</order_fee_flat>
    <order_fee_perc>4.0</order_fee_perc>
    <order_fee_perc_value>0.04</order_fee_perc_value>
    <order_fraud_status>NA</order_fraud_status>
    <order_from_date></order_from_date>
    <order_gross_amt>1.0</order_gross_amt>
    <order_gtw_id>PGT</order_gtw_id>
    <order_ip>192.168.2.182</order_ip>
    <order_name></order_name>
    <order_no>66885810</order_no>
    <order_notes>order will be shipped</order_notes>
    <order_option_type>OPTCRDC</order_option_type>
    <order_ship_address>room no.701 near bus stand</order_ship_address>
    <order_ship_city>Hyderabad</order_ship_city>
    <order_ship_country>India</order_ship_country>
    <order_ship_name>Chaplin</order_ship_name>
    <order_ship_state>Andhra</order_ship_state>
    <order_ship_tel>1234567890</order_ship_tel>
    <order_ship_zip>425001</order_ship_zip>
    <order_status>Successful</order_status>
    <order_status_date_time>2015-04-13 10:59:53.217</order_status_date_time>
```

```
<order_tax>0.0049</order_tax>
<order_to_date></order_to_date>
<reference_no>204000136232</reference_no>
<status>0</status>
</Order_Status_Result>
```

Failure Response:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Order_Status_Result error_code="51313">
  <error_desc>Order List: Invalid Parameter</error_desc>
  <status>1</status>
</Order_Status_Result>
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example JSON Response

Success Response:

```
{
  "reference_no":204000136232,
  "order_no":"66885810",
  "order_currncy":"INR",
  "order_amt":1.0,
  "order_date_time":"2015-04-13 10:59:05.517",
  "order_bill_name":"Shashi",
  "order_bill_address":"Room no 1101,
  near Railway station Ambad",
  "order_bill_zip":"425001",
  "order_bill_tel":"1234567890",
  "order_bill_email":"chandrakant.patil@avenues.info",
  "order_bill_country":"India",
  "order_ship_name":"Chaplin",
  "order_ship_address":"room no.701 near bus stand",
  "order_ship_country":"India",
  "order_ship_tel":"1234567890",
  "order_bill_city":"Indore",
  "order_bill_state":"MP",
  "order_ship_city":"Hyderabad",
  "order_ship_state":"Andhra",
  "order_ship_zip":"425001",
  "order_notes":"order will be shipped",
  "order_ip":"192.168.2.182",
```

```
"order_status":"Successful",
"order_fraud_status":"NA",
"order_status_date_time":"2015-04-13 10:59:53.217",
"order_capt_amt":0.0,
"order_card_name":"Amex",
"order_fee_perc":4.0,
"order_fee_perc_value":0.04,
"order_fee_flat":0.0,
"order_gross_amt":1.0,
"order_discount":0.0,
"order_tax":0.0049,
"order_bank_ref_no":"289049",
"order_gtw_id":"PGT",
"order_bank_response":"Approved",
"order_option_type":"OPTCRDC",
"order_TDS":0.0,
"order_device_type":"PC",
"status":0,
"error_desc":"",
"error_code":"",
}
```

Failure Response:

```
{
  "error_desc":"Order List: Invalid Parameter",
  "error_code":"51313",
  "status":1
}
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example STRING Response**Format:**

```
status|order_status|reference_no|order_bank_ref_no|order_bank_response|
order_bill_name|order_bill_email|order_bill_address|order_bill_city|order_bill_state|order_bill_co
untry|order_bill_telephone_no|order_bill_city_zip|order_card_name|order_currency|order_date_
time|order_delivery_details|order_device_type|order_fraud_status|order_gateway_id|order_iP|or
der_no|
order_notes|order_option_type|order_shipping_name|order_ship_email|order_ship_address|order
_ship_city|order_ship_state|order_ship_country|order_ship_telephone_no|order_ship_zip|order_
status_date_time|order_TDS|order_amount|order_capture_amount|order_discount|order_fee fla
t|order_fee_perc|order_fee_perc_value|order_gross_amount|order_tax|
```

Example:

0|Successful|204000136232|289049|Approved|Shashi|xxxxx.xxx@xxxxx.xxxx|Room no 1101, near
Railway station Ambad|Indore|MP|India|1234567890|425001|Amex|INR|2015-04-13
10:59:05.517||PC|NA|PGT|192.168.2.182|66885810|order will be
shipped|OPTCRDC|Chaplin||room no.701 near bus
stand|Hyderabad|Andhra|India|1234567890|425001|2015-04-13
10:59:53.217|0.0|1.0|0.0|0.0|0.0|4.0|0.04|1.0|0.0049|

Failure Response:

Format: statud|error_code|error_desc|

Example: 1|51313|Order List: Invalid Parameter|

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

5. Order Lookup

The Lookup API call can be used to extract transaction details for a certain set of transactions. The functionality works similar to a search feature.

Request Parameters

Name	Description	Note
enc_request (required)	AES encrypted request data	
access_code (required)	Unique HDFC access code which is generated when merchant registered their IP address. You must send this with each request.	
request_type (required)	API requests are accepted in XML, JSON or String. Specify the request type.	Possible value for request_type is "XML" or "JSON" or "STRING" .
response_type (optional)	API returns responses in XML, JSON or String format. If left blank, the response will be in the same format as request.	Possible value for response_type is "XML" or "JSON" or "STRING" .
Command (required)	Command value specifies the API calls. You must send this with each request.	Possible value for this API call is "orderLookup" .
reference_no (optional)	Unique HDFC reference number for the transaction.	Numeric(25).
from_date (required)	Provide the Start Date to find the orders list.	Date must be in IST(dd-mm-yyyy) format.
to_date (optional)	Provide the end date to search the orders between from date and to date. It should be greater than or equal to from date.	Date must be in IST(dd-mm-yyyy) format.
order_currency (optional)	Currency in which you processed the transaction. You can send the multiple currencies format.	String Example: INR – Indian Rupee USD – United States Dollar SGD – Singapore Dollar GBP – Pound Sterling EUR – Euro, official currency of Eurozone Multiple currency format: INR USD GBP in JSON & XML request type but INR\$USD\$GBP in STRING request type
order_email (optional)	Email address used to purchase the order.	Alphanumeric with special characters (hyphen, underscore, dot, @)(70).

order_fraud_status (optional)	Specify whether orders are valid or not.	String Possible Values are: 1) Value " High " denotes "High Risk" 2) Value " Low " denotes "Low Risk" 3) Value " NR " denotes "No Risk" 4) Value " GA " denotes "Go Ahead" 5) Value " NA " denotes "Not Applicable"
order_min_amount (optional)	Minimum amount limit for search criteria for the transaction.	Decimal(12,2).
order_max_amount (optional)	Maximum amount limit for search criteria for the transaction.	Decimal(12,2).
order_name (optional)	Customer name for the transaction.	Alphanumeric with special character: (space, hyphen, apostrophe, underscore, dot)(60).
order_no (optional)	Unique merchant order no for the transaction.	AlphaNumeric with special characters(hyphen and underscore)(60).
order_payment_type (optional)	Payment Mode for the transaction. It can be single or multiple.	String Below are the Possible Values: 1) CASHC (Cash Card Payment Type) 2) CRDC (Credit Card Payment Type) 3) DBCRD (Debit Card Payment Type) 4) MOBP (Mobile Payment Type) 5) NBK (Net Banking) Multiple values format: MOBP NBK for JSON & XML request type but MOBP\$NBK for STRING request type.
order_status (optional)	Status of the order. It can be single or multiple.	String Possible values are: Aborted (transaction is cancelled by the User) Auto-Cancelled (transaction has not confirmed within 12 days hence auto cancelled by system) Auto-Reversed (two identical transactions for same order number, both were successful at bank's end but we got response for only one of them, then next day during reconciliation we mark one

		<p>of the transaction as auto reversed)</p> <p>Awaited (transaction is processed from billing shipping page but no response is received)</p> <p>Cancelled (transaction is cancelled by merchant)</p> <p>Chargeback()</p> <p>Invalid(Transaction sent to HDFC with Invalid parameters, hence could not be processed further)</p> <p>Fraud (we update this during recon, the amount is different at bank's end and at HDFC due to tampering)</p> <p>Initiated (transaction just arrived on billing shipping page and not processed further)</p> <p>Refunded (Transaction is refunded.)</p> <p>Shipped (transaction is confirmed) Successful</p> <p>System refund (Refunded by HDFC for various find of reversals by HDFC)</p> <p>Unsuccessful (transaction is not successful due to)</p>
order_type (optional)	Type of the order.	<p>String</p> <p>Different types of Orders:</p> <p>1) OT-INV denotes "Invoice"</p> <p>2) OT-ORD denotes "Orders"</p> <p>3) OT-ORDSC denotes "Shopping Cart Orders"</p> <p>4) OT-PPAY denotes" Phone Pay"</p> <p>5) OT-SNIP denotes "SNIP orders"</p>
order_bill_tel (optional)	Customer mobile number for the transaction.	Numeric(10).
page_number (required)	A limited number of records are shared as part of the response. The total records & number of pages are shared as part of the response to enable subsequent calls.	Numeric(4).

Example XML Request

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Order_Lookup_Query>
  <order_no>xxxxxxx</order_no>
  <reference_no>xxxxxxx</reference_no>
  <order_email>xxx@xxxx.com</order_email>
  <order_bill_tel>xxxxxxxxxx</order_bill_tel>
  <order_country>xxxx</order_country>
  <from_date>xx-xx-xxxx</from_date>
  <to_date>xx-xx-xxxx</to_date>
  <order_max_amount>xx.xx</order_max_amount>
  <order_min_amount>xx.xx</order_min_amount>
  <order_status>xxxxxx</order_status>
  <order_fraud_status>xxxx</order_fraud_status>
  <order_currency>xxx</order_currency>
  <order_type>xx-xxx</order_type>
  <order_payment_type>xxxxxx</order_payment_type>
  <page_number>1</page_number>
</Order_Lookup_Query>
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Example JSON Request

```
{
  "order_no": "xxx",
  "reference_no": "xxxxx",
  "order_email": "xxx@xxxx.com",
  "order_bill_tel": "xxxxxxxxxx",
  "order_country": "xxxxxx",
  "from_date": "xx-xx-xxxx",
  "to_date": "xx-xx-xxxx",
  "order_max_amount": "xx.xx",
  "order_min_amount": "xx.xx",
  "order_status": "xxxxx",
  "order_fraud_status": "xxxx",
  "order_currency": "xxx",
  "order_type": "xxxxxx",
  "order_payment_type": "xxxxx",
  "page_number": 1
}
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Example STRING Request

Format:

reference_no|order_no|from_date|to_date|order_status|order_bill_tel|order_country|order_email|order_fraud_status|order_max_amount|order_min_amount|order_name|order_payment_type|order_type|order_currency|page_number|

Example: ||21-03-2015|03-04-2015|||||||||||1|

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Response Parameters

Name	Description	Note
status	This states whether the call was successful or not. If value of this parameter is "1" then you need not decrypt the enc_response as it will contain plain error message.	Value "0" denotes that the API call was successful. Value "1" denotes API call failure. On enc_response is plain text represents the error message.
enc_response	AES encrypted response containing format as per <i>response_type</i>	
order_amt	Amount for the transaction.	Decimal(12,2).
order_bill_address	Order billing address details for the order.	Possible value for address is Alphanumeric with special characters (space, hyphen, comma, ampersand(&), hash(#), circular brackets and dot)(315)
order_bill_city	Order billing City name for the order.	Possible value for city is Alphanumeric with special characters (space, comma, hyphen and dot)(30).
order_bill_country	Order billing country for the Order.	Possible value for country is Alphanumeric with special characters (space)(30).
order_bill_email	Email Address of the Order for notifications.	Possible value for email id is Alphanumeric with special characters (hyphen, underscore, dot,@)(70).
order_bill_name	Order billing name for the order.	Possible value for name is Alphanumeric with special characters (space, hyphen, apostrophe, underscore, dot)(60).
order_bill_state	Order billing state for the order.	Alphanumeric with special characters (hyphen, dot and space)(30).
order_bill_tel	Order billing telephone no for the order.	Numeric(10)
order_bill_zip	Order billing address's pincode for the order.	Possible value for zip is AlphaNumeric with special characters(hyphen and space) (15).
order_capt_amt	Captured amount for the transaction. Captured amount can be full or partial of the transaction amount.	Decimal(12,2).

order_curr	Possible order Currency in which merchant processed the transaction.	String Examples: INR – Indian Rupee USD – United States Dollar SGD – Singapore Dollar GBP – Pound Sterling EUR – Euro, official currency of Eurozone
order_date_time	Order Generated Date &Time.	DateTime in IST(yyyy-MM-dd HH:mm:ss.SSS) format.
order_device_type	This is the type of device using which the transaction was processed.	Possible value for device type is IVRS/MOB/PC .
order_discount	This is Discount Value for the Order No.	Decimal(12,2).
order_fee_flat	Flat Fee for the Order No.	Decimal(12,2).
order_fee_perc	Provides the percentage fee for the same order No.	Decimal(12,2).
order_fee_perc_value	This attribute provides the percentage fee Value for the same order No.	Decimal(12,2).
order_fraud_status	Specify whether orders are valid or not.	String Possible Values are: 1) Value “ High ” denotes “High Risk” 2) Value “ Low ” denotes “Low Risk” 3) Value “ NR ” denotes “No Risk” 4) Value “ GA ” denotes “Go Ahead” 5) Value “ NA ” denotes “Not Applicable”
order_gross_amt	Total transaction amount.	Decimal(12,2).
order_ip	Customer IP Address (i.e. from where transaction is being initiated)	IP V-4 Supported.
order_no	Order No for the transaction.	AlphaNumeric with special characters(hyphen and underscore)(30).
order_notes	Order information you wish to provide.	AlphaNumeric with special characters(space, comma, dot, hyphen and underscore)(60).
order_ship_address	Shipping Address for the order.	Possible value for address is Alphanumeric with special characters (space, hyphen, comma, ampersand(&), hash(#), circular brackets and dot)(315)
order_ship_city	Shipping city name for the orders.	Possible value for city is Alphanumeric with special

		characters (space, comma, hyphen and dot)(30).
order_ship_country	Shipping country name for the orders.	Possible value for country is Alphanumeric with special characters (space)(30).
order_ship_email	Shipping email ID for the notifications of the transaction.	Possible value for email id is Alphanumeric with special characters (hyphen, underscore, dot,@)(70).
order_ship_name	Shipping Name of the Customer for the order.	Possible value for name is Alphanumeric with special characters (space, hyphen, apostrophe, underscore, dot)(60).
order_ship_state	Shipping state for the order.	Alphanumeric with special characters (hyphen, dot and space)(30).
order_ship_tel	Telephone no for notifications of the transaction.	Numeric(10).
order_ship_zip	Order shipping address's pin code for the order.	Possible value for zip is AlphaNumeric with special characters(hyphen and space) (15).
order_status	Status of the order. It can be single or multiple.	String Possible values are: Aborted (transaction is cancelled by the User) Auto-Cancelled (transaction has not confirmed within 12 days hence auto cancelled by system) Auto-Reversed (two identical transactions for same order number, both were successful at bank's end but we got response for only one of them, then next day during reconciliation we mark one of the transaction as auto reversed) Awaited (transaction is processed from billing shipping page but no response is received) Cancelled (transaction is cancelled by merchant) Chargeback() Invalid (Transaction sent to

		<p>HDFC with Invalid parameters, hence could not be processed further)</p> <p>Fraud (we update this during recon, the amount is different at bank's end and at HDFC due to tampering)</p> <p>Initiated (transaction just arrived on billing shipping page and not processed further)</p> <p>Refunded (Transaction is refunded.)</p> <p>Shipped (transaction is confirmed)</p> <p>Successful</p> <p>System refund (Refunded by HDFC for various find of reversals by HDFC)</p> <p>Unsuccessful (transaction is not successful due to)</p>
order_status_date_time	This is the latest date and time when order status is modified.	DateTime in IST(yyyy-MM-dd HH:mm:ss.SSS) format.
order_TDS	Amount of TDS (tax deducted at source) for the Transaction.	Decimal(13,4).
order_tax	Tax Amount for the Transaction.	Decimal (13,4)
reference_no	HDFC reference no allocated to the transaction.	Numeric(25).
order_bank_ref_no	Unique reference number share by Bank after successful transaction.	Numeric(25).
order_bank_response	Description about the transaction shared by the bank after transaction.	String
order_gtw_id	Unique payment option Bank name.	Alphabet(6)
order_card_name	Specify the card name for the transaction.	Possible value for card name is VISA ," MASTERCARD "," AMEX "," JCB "," ECRD "," DINERS CLUB "," DSNV "," CTBL "," CVMS ".
order_option_type	Specify the payment option type for the order.	String Possible value for payment option type is OPTCASHC -Cash card OPTCRDC -Credit Card OPTDBCRD -Debit Card OPTEMI -EMI OPTIVRS -IVRS OPTMOBP -MobilePayments

OPTNBK-Net Banking		
error_desc	Reason if search criteria did not find the orders for the transactions.	String Please refer below table for failure message.
error_code	Error code for Failure reason.	String Please refer below table for failure message.
page_count	Total pages available based on <i>no_of_records</i> in the request	Example: <i>no_of_records</i> sent in request was 100
total_records	Total no.of orders matching the lookup criteria	<i>total_records</i> matching the lookup criteria were 1000 <i>page_count</i> will be 10 (<i>total_records</i> / <i>no_of_records</i>) rounded to the ceiling

Example XML Response

Success Response:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Order_Lookup_Result error_code="">
  <error_desc></error_desc>
  <order_Status_List>
    <order order_TDS="0.0"
      order_amt="1.0"
      order_bank_response="Invalid Credentials"
      order_bill_address="Room no 1101, near Railway station Ambad"
      order_bill_city="Indore"
      order_bill_country="India"
      order_bill_email="xxxxx.xxx@xxxxx.xxxx"
      order_bill_name="Shashi"
      order_bill_state="MP"
      order_bill_tel="1234567890"
      order_bill_zip="425001"
      order_capt_amt="0.0"
      order_card_name="MasterCard"
      order_currncy="INR"
      order_date_time="2015-03-31 11:20:44.47"
      order_device_type="PC"
      order_discount="0.0"
      order_fee_flat="0.0"
      order_fee_perc="12.0"
      order_fee_perc_value="0.12"
      order_fraud_status="NA"
      order_gross_amt="1.0"
      order_gtw_id="SBI"
      order_ip="192.168.2.182"
      order_no="45289752"
      order_notes="order will be shipped"
      order_option_type="OPTCRDC"
      order_ship_address="Room no 1101, near Railway station Ambad"
      order_ship_city="Indore"
      order_ship_country="India"
      order_ship_name="Shashi"
      order_ship_state="MP"
      order_ship_tel="1234567890"
      order_ship_zip="425001"
      order_status="Unsuccessful"
      order_status_date_time="2015-03-31 11:21:09.99"
      order_tax="0.0148"
      reference_no="204000134595"/>
  </order_Status_List>
```

```
<page_count>1</page_count>
<total_records>1</total_records>
</Order_Lookup_Result>
```

Failure Response:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Order_Lookup_Result error_code="51313">
  <error_desc>Order List: Invalid Parameter</error_desc>
  <page_count>0</page_count>
  <total_records>0</total_records>
</Order_Lookup_Result>
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example JSON Response**Success Response:**

```
{
  "order_Status_List": [{
    "reference_no": "204000134595",
    "order_no": "45289752",
    "order_currncy": "INR",
    "order_amt": "1.0",
    "order_date_time": "2015-03-31 11:20:44.47",
    "order_bill_name": "Shashi",
    "order_bill_address": "Room no 1101, near Railway station Ambad",
    "order_bill_zip": "425001",
    "order_bill_tel": "1234567890",
    "order_bill_email": "xxxx.xxxx@xxxx.xxxx",
    "order_bill_country": "India",
    "order_ship_name": "Shashi",
    "order_ship_address": "Room no 1101, near Railway station Ambad",
    "order_ship_country": "India",
    "order_ship_tel": "1234567890",
    "order_bill_city": "Indore",
    "order_bill_state": "MP",
    "order_ship_city": "Indore",
    "order_ship_state": "MP",
    "order_ship_zip": "425001",
    "order_notes": "order will be shipped",
    "order_ip": "192.168.2.182",
    "order_status": "Unsuccessful",
    "order_fraud_status": "NA",
```

```
"order_status_date_time":"2015-03-31 11:21:09.99",
"order_capt_amt":0.0,
"order_card_name":"MasterCard",
"order_fee_perc_value":0.12,
"order_fee_perc":12.0,
"order_fee_flat":0.0,
"order_gross_amt":1.0,
"order_discount":0.0,
"order_tax":0.0148,
"order_TDS":0.0,
"order_gtw_id":"SBI",
"order_bank_response":"Invalid Credentials",
"order_option_type":"OPTCRDC",
"order_device_type":"PC"
}},
"page_count":1,
"total_records":1,
"error_desc": "",
"error_code": ""
}
```

Failure Response:

```
{
  "page_count":0,
  "total_records":0,
  "error_desc":"Order List: Invalid Parameter",
  "error_code":"51313"
}
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example STRING Response**Success Response:****Format:**

page_count|total_records|reference_no\$order_no\$order_amount\$order_status\$order_bank_ref_no\$order_bank_response\$order_card_name\$order_currency\$order_date_time\$order_delivery_details\$order_device_type\$order_fraud_status\$order_gateway_id\$order_ip\$order_notes\$order_option_type\$order_bill_name\$order_bill_address\$order_bill_city\$order_bill_state\$order_bill_country\$order_bill_zip\$order_bill_tel\$order_bill_email\$order_ship_name\$order_ship_address\$order_ship_city\$order_ship_state\$order_ship_county\$order_ship_zip\$order_ship_tel\$order_ship_email\$order_capture_amount\$order_discount\$order_gross_amount\$order_fee_flat\$order_fee_perc\$order_fee_perc_value^|

Example:

Successful Response:

1|1|204000134595\$45289752\$1.0\$Unsuccessful\$\$Invalid Credentials\$MasterCard\$INR\$2015-03-31
11:20:44.47\$\$PC\$NA\$SBI\$192.168.2.182\$order will be shipped\$OPTCRDC\$Shashi\$Room no 1101,
near Railway station
Ambad\$Indore\$MP\$India\$425001\$9595226054\$xxxxx.xxxx@xxxxxx.xxxx\$Shashi\$Room no 1101,
near Railway station Ambad\$Indore\$MP\$India\$425001\$1234567890\$\$0.0\$0.0\$1.0\$0.0\$12.0\$0.12|

Failure Response:

Format: page_no|total_no_of_records|error_code|error_desc|

Example: 0|0|51313|Order List: Invalid Parameter|

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

6. Pending Orders

Pending API call allows you to find the list of pending orders. Only confirmed orders are settled into the merchant's account. An order older than 12 days is automatically canceled. Once an order has been auto-canceled by the system, it cannot be confirmed.

You can optionally confirm only part of an order. Remember, you can do so only once. Remaining funds will be refunded to the credit card or debit card or net banking account that was originally charged.

Request Parameters

Name	Description	Note
enc_request (required)	AES encrypted request data	
access_code (required)	Unique HDFC access code which is generated when merchant registered their IP address. You must send this with each request.	
request_type (required)	API requests are accepted in XML, JSON or String. Specify the request type.	Possible value for request_type is "XML" or "JSON" or "STRING" .
response_type (optional)	API returns responses in XML, JSON or String format. If left blank, the response will be in the same format as request.	Possible value for response_type is "XML" or "JSON" or "STRING" .
Command (required)	Command value specifies the API calls. You must send this with each request.	Possible value for this API call is "getPendingOrders" .
reference_no (optional)	Unique HDFC reference number for the transaction.	Numeric(25)
order_no (optional)	Unique Merchant order number for the pending order of the transaction.	AlphaNumeric with special characters(hyphen and underscore)(30).
order_bill_name (optional)	Name of the customer to find invoice details after placing orders.	Alphanumeric with special character: (space, hyphen, apostrophe, underscore, dot)(60).
order_email (optional)	Email id of customer to send mail for the generate invoice.	Alphanumeric with special characters (hyphen, underscore, dot, @)(70).
order_bill_tel (optional)	Mobile number of the customer to send the generate invoice.	Numeric(10)
order_fraud_status (optional)	Type of fraud status.	String Possible Values are: 1) Value "High" denotes "High Risk" 2) Value "Low" denotes "Low Risk" 3) Value "NR" denotes "No Risk" 4) Value "GA" denotes "Go Ahead" 5) Value "NA" denotes "Not Applicable"

order_currency <i>(optional)</i>	Currency in which you processed the transaction. You can send the multiple currencies format.	String Example: INR – Indian Rupee USD – United States Dollar SGD – Singapore Dollar GBP – Pound Sterling EUR – Euro, official currency of Eurozone Multiple currency format: INR USD GBP in XML & JSON request type and INR\$UDS\$GBP in STRING request type.
order_type <i>(optional)</i>	Type of the order.	String Different types of Orders: 1) OT-INV denotes “Invoice” 2) OT-ORD denotes “Orders” 3) OT-ORDSC denotes “Shopping Cart Orders” 4) OT-PPAY denotes” Phone Pay” 5) OT-SNIP denotes “SNIP orders”
page_number <i>(required)</i>	A limited number of records are shared as part of the response. The total records & number of pages are shared as part of the response to enable subsequent calls.	Numeric(4)

Example XML Request

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Pending_Orders_Query>
  <order_no>XXXXXX</order_no>
  <reference_no>XXXXXXXX</reference_no>
  <order_bill_name>XXXXX</order_bill_name>
  <order_email>XXXX@XXXX.com</order_email>
  <order_bill_tel>XXXXXXXX</order_bill_tel>
  <order_fraud_status>XX|XXXX|XXX</order_fraud_status>
  <order_currency>XXX|XXX|XXX|XXX</order_currency>
  <order_type>XX-XXX|XX-XXX</order_type>
  <page_number>1</page_number>
</Pending_Orders_Query>
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Example JSON Request

```
{
  "order_no": "XXXXXXX",
  "reference_no": "XXXXXXXX",
  "order_bill_name": "XXXXX",
  "order_email": "XXXX@XXXXX.com",
  "order_bill_tel": "XXXXXXXXXXXX",
  "order_fraud_status": "XX|XXXX|XXX",
  "order_currency": "XXX|XXX|XXX|XXX",
  "order_type": "XX|XX-XX",
  "page_number": "1"
}
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Example STRING Request

Format:

reference_no|order_no|order_bill_name|order_bill_tel|order_currency\$order_currency
\$order_currency|order_email|order_fraud_status\$order_fraud_status
\$order_fraud_status|order_type\$order_type\$order_type|page_number|

Example:

XXXXXXXX|XXXXXX|XXXXX|XXXXXXXX|XXX\$XXX\$XXX\$XXX|XXXX@XXXX.com|XX\$XXX\$XXX|XX-
XXX\$XX-XXX|1|



Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Response Parameters

Name	Description	Note
status	This states whether the call was successful or not. If value of this parameter is "1" then you need not decrypt the enc_response as it will contain plain error message.	Value "0" denotes that the API call was successful. Value "1" denotes API call failure. On enc_response is plain text represents the error message.
enc_response	AES encrypted response containing format as per <i>response_type</i>	
order_amt	Amount for the transaction.	Decimal(12,2).
order_bill_address	Order billing address details for the order.	Possible value for address is Alphanumeric with special characters (space, hyphen, comma, ampersand(&), hash(#), circular brackets and dot)(315)
order_bill_city	Order billing City name for the order.	Possible value for city is Alphanumeric with special characters (space, comma, hyphen and dot)(30).
order_bill_country	Order billing country for the Order.	Possible value for country is Alphanumeric with special characters (space)(30).
order_bill_email	Email Address of the Order for notifications.	Possible value for email id is Alphanumeric with special characters (hyphen, underscore, dot, @)(70).
order_bill_name	Order billing name for the order.	Possible value for name is Alphanumeric with special characters (space, hyphen, apostrophe, underscore, dot)(60).
order_bill_state	Order billing state for the order.	Alphanumeric with special characters (hyphen, dot and space)(30).
order_bill_tel	Order billing telephone no for the order.	Numeric(10)
order_bill_zip	Order billing address' pin code for the order.	Possible value for zip is AlphaNumeric with special characters(hyphen and space) (15).
order_capt_amt	Captured amount for the transaction. Captured amount can be full or partial of the transaction amount.	Decimal(12,2).

order_curr	Possible order Currency in which merchant processed the transaction.	String Examples: INR – Indian Rupee USD – United States Dollar SGD – Singapore Dollar GBP – Pound Sterling EUR – Euro, official currency of Eurozone
order_date_time	Order Generated Date &Time.	DateTime in IST(yyyy-MM-dd HH:mm:ss.SSS) format.
order_device_type	This is the type of device using which the transaction was processed.	Possible value for device type is IVRS/MOB/PC .
days_left	Number of days left to pay order amount.	Numeric(3)
order_discount	This is Discount Value for the Order No.	Decimal(12,2).
order_fee_flat	Flat Fee for the Order No.	Decimal(12,2).
order_fee_perc	Provides the percentage fee for the same order No.	Decimal(12,2).
order_fee_perc_value	This attribute provides the percentage fee Value for the same order No.	Decimal(12,2).
order_fraud_status	Specify whether orders are valid or not.	String Possible Values are: 1) Value “ High ” denotes “High Risk” 2) Value “ Low ” denotes “Low Risk” 3) Value “ NR ” denotes “No Risk” 4) Value “ GA ” denotes “Go Ahead” 5) Value “ NA ” denotes “Not Applicable”
order_gross_amt	Total transaction amount.	Decimal(12,2).
order_ip	Customer IP Address (i.e. from where transaction is being initiated)	IP V-4 Supported.
order_no	Order No for the transaction.	AlphaNumeric with special characters(hyphen and underscore)(30).
order_notes	Order information you wish to provide.	AlphaNumeric with special characters(space, comma, dot, hyphen and underscore)(60).
days_left	Number of days left to pay order amount.	Numeric (4).
order_bank_mid	Unique merchant id provided by issuer bank to merchant for the transaction.	Numeric(16).
order_bank_ref_no	Unique reference number shared by Bank after successful transaction.	Numeric(25).
order_bank_response	Description about the transaction shared by	String

	the bank after transaction.	
order_gtw_id	Unique payment option Bank name.	Alphabet(6)
order_card_name	Specify the card name for the transaction.	Possible value for card name is VISA ," MASTERCARD "," AMEX "," JCB "," ECRD "," DINERS CLUB "," DSNV "," CTBL "," CVMS ".
order_option_type	Specify the payment option type for the order.	String Possible value for payment option type is OPTCASHC -Cash card OPTCRDC -Credit Card OPTDBCRD -Debit Card OPTEMI -EMI OPTIVRS -IVRS OPTMOBP -MobilePayments OPTNBK -Net Banking
order_card_type	Specify the card type used to pay order amount.	String Possible value for card type is Cash card Credit Card Debit Card EMI IVRS Mobile Payments Net Banking
order_risk_mitigation	Specify whether the current order on risk mitigation or not.	String(1) Possible value is " Y " or " N ".
order_tax	Tax Amount for the Transaction.	Decimal (13,4)
order_tran_status	Transaction status for the order coming from bank's end.	String Possible value is TS-AUTA - Authorization Awaited TS-AUTC - Authorization confirm TS-AUTCR - Authorization confirmed on reconciliation TS-AUTD - Authorization Declined TS-AUTDR - Authorization Declined on reconciliation TS-AUTFR - Authorization Fraud TS-AUTFRR - Authorization Fraud on reconciliation

		TS-AUTFRAM - Amt mismatch TS-AUTFRCM - Currency mismatch TS-AUTFRUT - Authorization fraud TS-ABRTBNK - Aborted at bank's end.
order_type	Type of the order.	String Different types of Orders: 1) OT-INV denotes "Invoice" 2) OT-ORD denotes "Orders" 3) OT-ORDSC denotes "Shopping Cart Orders" 4) OT-PPAY denotes" Phone Pay" 5) OT-SNIP denotes "SNIP orders"
order_ship_address	Shipping Address for the order.	Possible value for address is Alphanumeric with special characters (space, hyphen, comma, ampersand(&), hash(#), circular brackets and dot)(315)
order_ship_city	Shipping city name for the orders.	Possible value for city is Alphanumeric with special characters (space, comma, hyphen and dot)(30).
order_ship_country	Shipping country name for the orders.	Possible value for country is Alphanumeric with special characters (space)(30).
order_ship_email	Shipping email ID for the notifications of the transaction.	Possible value for email id is Alphanumeric with special characters (hyphen, underscore, dot, @)(70).
order_ship_name	Shipping Name of the Customer for the order.	Possible value for name is Alphanumeric with special characters (space, hyphen, apostrophe, underscore, dot)(60).
order_ship_state	Shipping state for the order.	Alphanumeric with special characters (hyphen, dot and space)(30).
order_ship_tel	Telephone no for notifications of the transaction.	Numeric(10).
order_ship_zip	Order shipping address' pin code for the order.	Possible value for zip is

		AlphaNumeric with special characters(hyphen and space) (15).
order_status	Status of the order. It can be single or multiple.	String Possible values are: Aborted (transaction is cancelled by the User) Auto-Cancelled (transaction has not confirmed within 12 days hence auto cancelled by system) Auto-Reversed (two identical transactions for same order number, both were successful at bank's end but we got response for only one of them, then next day during reconciliation we mark one of the transaction as auto reversed) Awaited (transaction is processed from billing shipping page but no response is received) Cancelled (transaction is cancelled by merchant) Chargeback() Invalid (Transaction sent to HDFC with Invalid parameters, hence could not be processed further) Fraud (we update this during recon, the amount is different at bank's end and at HDFC due to tampering) Initiated (transaction just arrived on billing shipping page and not processed further) Refunded (Transaction is refunded.) Shipped (transaction is confirmed) Successful System refund (Refunded by HDFC for various findings of reversals by HDFC) Unsuccessful (transaction is not successful due to)

order_status_date_time	This is the latest date and time when order status is modified.	DateTime in IST(yyyy-MM-dd HH:mm:ss.SSS) format.
order_TDS	Amount of TDS (tax deducted at source) for the Transaction.	Decimal(13,4).
reference_no	Unique HDFC reference no allocated to the transaction.	Numeric(25).
error_desc	Reason if search criteria did not find the orders for the transactions.	String Please refer below table for failure message.
error_code	Error code for Failure reason.	String Please refer below table for failure message.
page_count	Total pages available based on <i>no_of_records</i> in the request	Example: no_of_records sent in request was 100
total_records	Total no.of orders matching the lookup criteria	total_records matching the lookup criteria were 1000 page_count will be 10 (total_records / no_of_records) rounded to the ceiling

Example XML Response

Success Response:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Pending_Orders_Result error_code="">
  <error_desc></error_desc>
  <page_count>1</page_count>
  <pending_Orders_List>
    <pending_Orders
      days_left="3"
      order_TDS="0.0"
      order_amt="1.0"
      order_bank_mid="1234567890"
      order_bank_ref_no="289049"
      order_bank_response="Approved"
      order_bill_address="Room no 1101, near Railway station Ambad"
      order_bill_city="Indore"
      order_bill_country="India"
      order_bill_email="xxxxxx.xxxx@xxxxxx.xxxx"
      order_bill_name="Shashi"
      order_bill_state="MP"
      order_bill_tel="1234567890"
      order_bill_zip="425001"
      order_capt_amt="0.0"
      order_card_name="Amex"
      order_card_type="Credit Card"
      order_curr="INR"
      order_date_time="2015-04-13 10:59:05.517"
      order_discount="0.0"
      order_fee_flat="0.0"
      order_fee_perc="4.0"
      order_fee_perc_value="0.04"
      order_fraud_status="NA"
      order_gross_amt="1.0"
      order_gtw_id="PGT"
      order_ip="192.168.2.182"
      order_no="66885810"
      order_notes="order will be shipped"
      order_risk_mitigation="Y"
      order_ship_address="room no.701 near bus stand"
      order_ship_city="Hyderabad"
      order_ship_country="India"
      order_ship_name="Chaplin"
      order_ship_state="Andhra"
      order_ship_tel="1234567890"
      order_ship_zip="425001"
```

```
order_status="Successful"
order_status_date_time="2015-04-13 10:59:53.217"
order_tax="0.0049"
order_tran_status="TS-AUTC"
order_type="OT-ORD"
reference_no="204000136232"/>
</pending_Orders_List>
<total_records>1</total_records>
</Pending_Orders_Result>
```

Failure Response:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Pending_Orders_Result error_code="51313">
  <error_desc>Order List: Invalid Parameter</error_desc>
  <page_count>1</page_count>
  <total_records>1</total_records>
</Pending_Orders_Result>
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example JSON Response**Success Response:**

```
{
  "pending_Orders":[{
    "reference_no":"204000136232",
    "order_no":"66885810",
    "order_type":"OT-ORD",
    "order_curr":"INR",
    "order_amt":1.0,
    "order_date_time":"2015-04-13 10:59:05.517",
    "order_bill_name":"Shashi",
    "order_bill_address":"Room no 1101, near Railway station Ambad",
    "order_bill_zip":"425001",
    "order_bill_city":"Indore",
    "order_bill_state":"MP",
    "order_bill_tel":"12345687890",
    "order_bill_email":"xxxxxxx@xxxxx.xxxx",
    "order_bill_country":"India",
    "order_ship_name":"Chaplin",
    "order_ship_address":"room no.701 near bus stand",
    "order_ship_country":"India",
    "order_ship_tel":"1234567890",
    "order_ship_city":"Hyderabad",
    "order_ship_state":"Andhra",
    "order_ship_zip":"425001",
    "order_notes":"order will be shipped",
    "order_ip":"192.168.2.182",
    "order_status":"Successful",
    "order_fraud_status":"NA",
    "order_status_date_time":"2015-04-13 10:59:53.217",
    "order_capt_amt":0.0,
    "order_card_type":"Credit Card",
    "order_card_name":"Amex",
    "order_bank_mid":"xxxxxxxx",
    "order_fee_perc":4.0,
    "order_fee_perc_value":0.04,
    "order_fee_flat":0.0,
    "order_gross_amt":1.0,
    "order_discount":0.0,
    "order_tax":0.0049,
    "order_bank_ref_no":"xxxxxxxx",
    "order_gtw_id":"PGT",
    "order_bank_response":"Approved",
    "order_risk_mitigation":"Y",
    "days_left":"3",
```

```
"order_tran_status":"TS-AUTC",  
  "order_TDS":0.0,  
  },  
"page_count":1,  
"total_records":1,  
"error_desc": "",  
"error_code": ""  
}
```

Failure Response:

```
{  
  "page_count":1,  
  "total_records":1,  
  "error_desc":"Order List: Invalid Parameter",  
  "error_code":"51313"  
}
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example STRING Response**Success Response:****Format:**

page_count|total_records|reference_no\$order_no\$order_status\$order_trans_status\$order_type\$order_capt_amt\$order_discount\$order_fee_flat\$order_fee_perc\$order_fee_perc_value\$order_gross_amt\$order_tax\$days_left\$order_bank_mid\$order_bank_ref_no\$order_bank_response\$order_bill_name\$order_bill_email\$order_bill_address\$order_bill_city\$order_bill_state\$order_bill_country\$order_bill_tel\$order_bill_zip\$order_card_name\$order_card_type\$order_curr\$order_date_time\$order_delivery_details\$order_fraud_status\$order_gtw_id\$order_ip\$order_misc_id\$order_notes\$order_risk_mitigation\$order_ship_name\$order_ship_email\$order_ship_address\$order_ship_city\$order_ship_state\$order_ship_country\$order_ship_tel\$order_ship_zip\$order_status_date_time^|

Example:

1|1|204000136232\$66885810\$Successful\$TS-AUTC\$OT-ORD\$0.0\$0.0\$0.0\$4.0\$0.04\$1.0\$0.0049\$3\$1234567890\$289049\$Approved\$Shashi\$xxxxxx.xx@xxxxxx.xxxx\$Room no 1101, near Railway station
Ambad\$Indore\$MP\$India\$1234567890\$425001\$Amex\$Credit Card\$INR\$2015-04-13 10:59:05.517\$NA\$PGT\$192.168.2.182\$Order will be shipped\$Y\$Chaplin\$Room no.701 near bus stand\$Hyderabad\$Andhra\$India\$1236547892\$425001\$2015-04-13 10:59:53.217|

Failure Response:

Format:page_no|total_no_of_records|error_code|error_desc|

Example: 0|0|51313|Order List: Invalid Parameter|

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

7. Delete Customer

The Delete Customer API call is used to delete the customer and all saved payment options for the customer.

Request Parameters

Name	Description	Note
enc_request (required)	AES encrypted request data	
access_code (required)	Unique HDFC access code which is generated when merchant registered their IP address. You must send this with each request.	
request_type (required)	API requests are accepted in XML, JSON or String. Specify the request type.	Possible value for request_type is "XML" or "JSON" or "STRING" .
response_type (optional)	API returns responses in XML, JSON or String format. If left blank, the response will be in the same format as request.	Possible value for response_type is "XML" or "JSON" or "STRING" .
Command (required)	Command value specifies the API calls. You must send this with each request.	Possible value for this API call is "deleteCustomer" .
customer_id (required)	Unique Customer ID provided by merchant to the customer.	Alphanumeric with special characters (hyphen, underscore, dot,@)(70)

Example XML Request

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Delete_Customer_Query customer_id="123"/>
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Example JSON Request

```
{
"customer_id": "1234"
}
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Example STRING Request

Format:customer_id|

Example: 1234|

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Response Parameters

Name	Description	Note
status	This states whether the call was successful or not. If value of this parameter is "1" then you need not decrypt the enc_response as it will contain plain error message.	Value "0" denotes that the API call was successful. Value "1" denotes API call failure. On enc_response is plain text represents the error message.
enc_response	AES encrypted response containing format as per <i>response_type</i>	
deletion_status	Delete status - specify whether customer is going to be deleted successfully or not.	Numeric(1) Possible values for this is 0 - Deletion successful. 1 - Could not be deleted.
customer_id	Unique Customer ID for the deleted customer.	Numeric(25).
error_desc	Reason if customer is not going to be deleted successfully.	String Please refer below table for failure message.
error_code	Error code for Failure reason.	String Please refer below table for failure message.

Example XML Response

Success:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Delete_Customer_Result deletion_status="0" error_code="" error_desc="">
  <customer_id>1234</customer_id>
</Delete_Customer_Result>
```

Failure:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Delete_Customer_Result error_desc="Customer id: Invalid parameter"deletion_status="1"
error_code="51325">
  <customer_id>1234</customer_id>
</Delete_Customer_Result>
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example JSON Response

Success:

```
{
  "deletion_status":0,
  "error_desc": "",
  "error_code": "",
  "customer_id": "1234"
}
```

Failure:

```
{
  "error_desc": "Customer id: Invalid parameter",
  "deletion_status":1,
  "customer_id": "1234",
  "error_code": "51325"
}
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example STRING Response

Success:

Format:deletion_status|customer_id|

Example: 0|123|

Failure:

Format: deletion_status|error_code|error_desc|customer_id|

Example: 1|51325|Customer id: Invalid parameter|123|

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

8. Delete Customer Payment Option

The Delete Customer Payment Option API call is used to delete a particular payment option saved for the customer.

Request Parameters

Name	Description	Note
enc_request (required)	AES encrypted request data	
access_code (required)	Unique HDFC access code which is generated when merchant registered their IP address. You must send this with each request.	
request_type (required)	API requests are accepted in XML, JSON or String. Specify the request type.	Possible value for request_type is "XML" or "JSON" or "STRING".
response_type (optional)	API returns responses in XML, JSON or String format. If left blank, the response will be in the same format as request.	Possible value for response_type is "XML" or "JSON" or "STRING".
Command (required)	Command value specifies the API calls. You must send this with each request.	Possible value for this API call is "deleteCustomerPaymentOption".
customer_id (required)	Unique Customer ID for the transaction.	Numeric(25).
customer_card_id (required)	Unique Customer card ID against the payment option for the transaction.	Numeric (25).

Example XML Request

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Delete_Customer_Payment_Query
    customer_id="123"
    customer_card_id="22"/>
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Example JSON Request

```
{
  "customer_id": "1234",
  "customer_card_id": "14"
}
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Example STRING Request

Format: customer_card_id|customer_id|

Example: 14|1234|

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Response Parameters

Name	Description	Note
status	This states whether the call was successful or not. If value of this parameter is "1" then you need not decrypt the enc_response as it will contain plain error message.	Value "0" denotes that the API call was successful. Value "1" denotes API call failure. On enc_response is plain text representing the error message.
enc_response	AES encrypted response containing format as per <i>response_type</i>	
customer_id	Unique Customer ID for the transaction.	Numeric(25).
customer_card_id	Unique Customer card ID against the payment option for the transaction.	Numeric (25).
deletion_status	Delete Status value specifies whether customer payment option is going to delete successfully or not.	Possible values for this is 0 - Deletion successful. 1 - Could not be deleted.
error_desc	Reason if customer payment option is not going to delete successfully.	String Please refer below table for failure message.
error_code	Error code for Failure reason.	String Please refer below table for failure message.

Example XML Response

Success:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Delete_Customer_Payment_Option_Result
  deletion_status="0"
  customer_id="24"
  customer_card_id="1234" error_code="" error_desc="" />
```

Failure:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Delete_Customer_Payment_Option_Result
  customer_card_id="22"
  customer_id="123"
  error_desc="Customer Card Id: Invalid Parameter"
  error_code="51336"
  deletion_status="1" />
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example JSON Response

Success:

```
{
  "customer_card_id":22,
  "deletion_status":0,
  "customer_id":123,
  "error_desc": "",
  "error_code": ""
}
```

Failure:

```
{
  "customer_card_id":22,
  "deletion_status":1,
  "customer_id":123,
  "error_desc": "Customer Card Id: Invalid Parameter",
  "error_code": "51336"
}
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example String Response

Success:

Format: deletion_status|customer_card_id|customer_id|

Example:0|1234|24|

Failure:

Format: deletion_status|error_code|error_desc|customer_card_id|customer_id|

Example:1|51327|Customer id: Invalid Parameter|22|123|

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

9. Add Customer Payment Option

The Add Customer Payment Option API call is used to add another payment option for the customer of the merchant.

Request Parameters

Name	Description	Note
enc_request (required)	AES encrypted request data	
access_code (required)	Unique HDFC access code which is generated when merchant registered their IP address. You must send this with each request.	
request_type (required)	API requests are accepted in XML, JSON or String. Specify the request type.	Possible value for request_type is "XML" or "JSON" or "STRING".
response_type (optional)	API returns responses in XML, JSON or String format. If left blank, the response will be in the same format as request.	Possible value for response_type is "XML" or "JSON" or "STRING".
Command (required)	Command value specifies the API calls. You must send this with each request.	Possible value for this API call is "addCustomerPaymentOption".
customer_id (required)	Unique Customer ID for the transaction.	Alphanumeric with special characters (hyphen, underscore, dot,@)(70).
customer_name_on_card (optional)	Customer name on card.	Alphanumeric with special characters (space,underscore)(30)
customer_phone_no (optional)	Customer mobile number.	Numeric(10).
customer_email (optional)	Customer email id.	Alphanumeric with special characters (hyphen, underscore, dot,@)(70).
customer_card_issuer_bank (optional)	Customer card issuer bank name.	Alphanumeric with special characters (space, underscore)(70).
customer_card_expyr (required)	Customer Card expiry date.	Date format in MM/yyyy .
customer_card_no (required)	Customer Card number.	Numeric(25)
customer_card_name (optional)	Customer Card name.	String VISA MASTERCARD AMEX JCB ECRD

		DINERS CLUB DSNV CTBL CVMS AMEX EZE CLICK
customer_card_type <i>(required)</i>	Customer card type to payment option for the transaction.	String CRDC -credit card DBRD -debit card

Example XML Request

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Add_Customer_Payment_Option_Query>
    <customer_id>14</customer_id>
    <customer_email>subash.yadav@avenues.info</customer_email>
    <customer_phone_no>8698319931</customer_phone_no>
    <customer_name_on_card>subash yadav</customer_name_on_card>
    <customer_card_name>mastercard</customer_card_name>
    <customer_card_no>421578965236545</customer_card_no>
    <customer_card_expiry>11/2015</customer_card_expiry>
    <customer_card_issuer_bank>Kotakmahindra</customer_card_issuer_bank>
    <customer_card_type>CRDC</customer_card_type>
  </Add_Customer_Payment_Option_Query>
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Example JSON Request

```
{
  "customer_id":14,
  "customer_email":"subash.yadav@avenues.info",
  "customer_phone_no":8698319931,
  "customer_name_on_card":"subash yadav",
  "customer_card_no":421578965236545,
  "customer_card_name":"mastercard",
  "customer_card_expiry":"11/2015",
  "customer_card_issuer_bank":"Kotak mahindra",
  "customer_card_type":"CRDC"
}
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Example STRING Request

Format:

customer_id|customer_email|customer_phone_no|customer_name_on_card|customer_card_no|customer_card_name|customer_card_expiry|customer_issuer_bank|customer_card_type|

Example: [14|subash.yadav@avenues.info](mailto:subash.yadav@avenues.info)|8698319931|subash yadav|421578965236545|mastercard|11/2015|Kotak mahindra|CRDC|

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Response Parameters

Name	Description	Note
status	This states whether the call was successful or not. If value of this parameter is "1" then you need not decrypt the enc_response as it will contain plain error message.	Value "0" denotes that the API call was successful. Value "1" denotes API call failure. On enc_response is plain text representing the error message.
enc_response	AES encrypted response containing format as per <i>response_type</i>	
customer_id	Unique Customer ID for the transaction.	Alphanumeric with special characters (hyphen, underscore, dot,@)(70).
customer_card_id	Unique Customer card ID against the payment option for the transaction.	Numeric (25).
Status	Delete Status value specifies whether customer payment option is going to delete successfully or not.	Possible values for this is 0 - Deletion successful. 1 - Could not be deleted.
customer_card_no_last 4digits	Last four digit of card no for the transaction.	Numeric(4) Will contain values only for Credit card and Debit card
customer_pay_opt_type	Customer payment option for given details.	String OPTCRD -credit card OPTDBCRD -debit card
customer_card_expry	Customer card expiry date.	Date format in MM/yyyy .
error_desc	Reason if customer payment option is not going to delete successfully.	String Please refer below table for failure message.
error_code	Error code for Failure reason.	String Please refer below table for failure message.

Example XML Response

Success:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Add_Customer_Payment_Option_Result>
  <customer_card_expiry>11/2015</customer_card_expiry>
  <customer_card_id>240</customer_card_id>
  <customer_card_no_last4digits>2346</customer_card_no_last4digits>
  <customer_id>14</customer_id>
  <customer_pay_opt_type>OPTCRDC</customer_pay_opt_type>
  <error_code></error_code>
  <error_desc></error_desc>
  <status>0</status>
</Add_Customer_Payment_Option_Result>
```

Failure:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Add_Customer_Payment_Option_Result>
  <customer_card_expiry>11/2015</customer_card_expiry>
  <customer_card_id></customer_card_id>
  <customer_card_no_last4digits>2346</customer_card_no_last4digits>
  <customer_id>14</customer_id>
  <customer_pay_opt_type></customer_pay_opt_type>
  <error_code>51336</error_code>
  <error_desc>Customer Card Id: Invalid Parameter</error_desc>
  <status>1</status>
</Add_Customer_Payment_Option_Result>
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example JSON Response

Success:

```
{
  "customer_id": "14",
  "customer_card_id": "36",
  "customer_card_no_last4digits": "6545",
  "customer_card_expiry": "11/2015",
  "customer_pay_opt_type": "OPTCRDC",
  "customer_name_on_card": "subash yadav",
  "error_desc": "",
  "error_code": "", "status": 0
}
```

Failure:

```
{
  "customer_id":"14",
  "customer_card_id": "",
  "customer_card_no_last4digits":"2346",
  "customer_card_expiry":"11/2015",
  "customer_pay_opt_type": "",
  "customer_name_on_card": "subash yadav",
  "error_desc": "Customer Card Id: Invalid Parameter",
  "error_code": "51337",
  "status": 1
}
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example String Response**Format:**

Status|customer_id|customer_card_id|customer_card_no_last4digits|customer_card_expiry|customer_pay_opt_type|error_code|error_desc|

Failure:

Example:1|14||2346|11/2015||51336|Customer Card Id: Invalid Parameter|

Success:

Example:0|14|420|2346|11/2015|OPTCRDC|||

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

10. Get Customer Payment Options

The Customer payment option API call is used to list payment option saved for a customer. Payments options are saved for a customer in vault for easy and convenient payment.

Request Parameters

Name	Description	Note
enc_request (required)	AES encrypted request data	
access_code (required)	Unique HDFC access code which is generated when merchant registered their IP address. You must send this with each request.	
request_type (required)	API requests are accepted in XML, JSON or String. Please specify the request type.	Possible value for request_type is "XML" or "JSON" or "STRING".
response_type (optional)	API returns responses in XML, JSON or String format. If left blank, the response will be in the same format as request.	Possible value for response_type is "XML" or "JSON" or "STRING".
Command (required)	Command value specifies the API calls. You must send this with each request.	Possible value for this API call is "getCustomerPaymentOptions"
customer_id (required)	Unique Customer ID for the transaction.	Alphanumeric with special characters (hyphen, underscore, dot,@)(70).

Example XML Request

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <Customer_Payment_Options
    customer_id="123"/>
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Example JSON Request

```
{
  "customer_id": "1234"
}
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Example String Request

Format: customer_id|

Example: 6|

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Response Parameters

Name	Description	Note
status	This states whether the call was successful or not. If value of this parameter is "1" then you need not decrypt the enc_response as it will contain plain error message.	Value "0" denotes that the API call was successful. Value "1" denotes API call failure. On enc_response is plain text represents the error message.
enc_response	AES encrypted response containing format as per <i>response_type</i>	
customer_id	Unique Customer ID for the transaction.	Alphanumeric with special characters (hyphen, underscore, dot,@)(70).
customer_card_no	Last four digit of card no for the transaction.	Numeric(4) Will contain values only for Credit card and Debit card
customer_payopt_type	Number of Payment options assign against to this customer id.	String OPTNBK -net banking OPTCRD -credit card OPTDBCRD -debit card OPTMOBP -mobile payment OPTIVRS - IVRS OPTWLT - Wallet OPTCASHC -Cash Card OPTEMI - EMI
customer_card_name	Customer card name for the transaction.	Alphanumeric with special characters (space, hyphen, apostrophe, underscore, dot)(60).
customer_email	Customer email id for the transaction.	Alphanumeric with special characters (hyphen, underscore, dot,@)(70).
customer_card_label	Customer card label name for the transaction.	Alphanumeric with special characters (space, hyphen, apostrophe, underscore, dot)(60).
customer_card_id	Unique Customer card ID is the identifier for the payment options against the Customer ID.	Numeric(25).
customer_phone_number	Unique Customer phone number for the transaction.	Numeric(10).
error_desc	Reason if API call does not find the record based on given search criteria.	String Please refer below table for failure message.

error_code	Error code for Failure reason.	String Please refer below table for failure message.
-------------------	--------------------------------	---

Example XML Response

Success:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Customer_Payment_Option_Result customer_id="1234" error_desc="" error_code="">
  <pay_Opt_List>
    <customer>
      <customer_card_id>26</customer_card_id>
      <customer_card_no>4567</customer_card_id>
      <customer_card_name>Development Credit
      Bank</customer_card_name>
      <customer_card_type>NBK</customer_card_type>
      <customer_email>xxxx@xxx.com</customer_email>
      <customer_payopt_type>OPTNBK</customer_payment_type>
      <customer_card_label>xxxxxxx</customer_card_label>
    </customer>
    <customer>
      <customer_card_id>27</customer_card_id>
      <customer_card_no>1234</customer_card_no>
      <customer_card_name>Development Credit Bank</customer_card_name>
      <customer_card_type>NBK</customer_card_type>
      <customer_email>xxxx@xxx.com</customer_email>
      <customer_payopt_type>OPTNBK</customer_payopt_type>
      <customer_card_label>xxxxxxx</customer_card_label>
    </customer>
  </pay_Opt_List>
</Customer_Payment_Option_Result>
```

Failure:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Customer_Payment_Option_Result
  error_desc="Customer id: Invalid Parameter" customer_id="1234" error_code="51327"/>
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example JSON Response**Success:**

```
{
  "pay_Opt_List": [{
    "customer_card_name": "Development Credit Bank",
    "customer_card_type": "NBK",
    "customer_card_id": 26,
    "customer_email": "xxx@xxx.com",
    "customer_payopt_type": "OPTNBK",
    "customer_card_label": "xxxxx",
    "customer_card_no": "1234"
  },
  {
    "customer_card_name": "MasterCard",
    "customer_card_type": "CRDC",
    "customer_card_id": 27,
    "customer_email": "xxx@xxx.com",
    "customer_payopt_type": "OPTCRDC",
    "customer_card_label": "xxxxx",
    "customer_card_no": "4567"
  }
],
  "customer_id": "1234",
  "error_desc": "",
  "error_code": ""
}
```

Failure:

```
{
  "error_desc": "Customer id: Invalid Parameter",
  "error_code": "51327",
  "customer_id": "1234"
}
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example STRING Response

Success:

Format: customer_card_id\$customer_card_no(last four digits)\$customer_card_name\$customer_card_type\$customer_payopt_type\$customer_card_label\$customer_email^ customer_card_id\$customer_card_no(last four digits)\$customer_card_name\$customer_card_type\$customer_payopt_type\$customer_card_label\$customer_email

Example:27\$"1234"\$MasterCard\$CRDC\$OPTCRDC\$"xxxx"\$"xxxx@xxx.com"^29\$"4567"\$MasterCard\$CRDC\$ OPTCRDC\$"xxxx"\$"xxxx@xxx.com"

Failure:

Format: error_code|error_desc|

Example: 51327|Customer id: Invalid Parameter|

Note: You will have to decrypt the above response from "enc_response" parameter. Kindly refer to the decryption section.

11. Generate Invoice

The Invoice API call is used to generate an invoice for a customer. Values can be passed as for generating invoice using the flexibility of Invoice settings.

Request Parameters

Name	Description	Note
enc_request (required)	AES encrypted request data	
access_code (required)	Unique HDFC access code which is generated when merchant registered their IP address. You must send this with each request.	
request_type (required)	API requests are accepted in XML, JSON or String. Specify the request type.	Possible value for request_type is "XML" or "JSON" or "STRING" .
response_type (optional)	API returns responses in XML, JSON or String format. If left blank, the response will be in the same format as request.	Possible value for response_type is "XML" or "JSON" or "STRING" .
command (required)	Command value specifies the API calls. You must send this with each request.	Possible value for this API call is "generateInvoice" .
customer_name (required)	Name of the customer receiving the Invoice.	Alphanumeric with special characters (space, hyphen, apostrophe, underscore, dot)(60).
customer_email_id (required)	Email ID on which the Invoice will be sent	Alphanumeric with special characters (hyphen, underscore, dot, @)(70).
customer_email_subject (required)	Subject of the email containing the Invoice	Alphanumeric with special characters (hyphens, dot, space and underscores)(100).
valid_for (required)	Duration for which the Invoice is valid	Numeric(4).
valid_type (required)	The unit of duration represented by valid_for	Possible values for valid type is minutes/hours/days/month/year
Currency (required)	Currency for which the Invoice is to be generated	String Example: INR – Indian Rupee USD – United States Dollar SGD – Singapore Dollar GBP – Pound Sterling EUR – Euro, official currency of Eurozone
merchant_reference_no	Merchant identifier for the Invoice	Alphanumeric with special

<i>(optional)</i>		characters(hyphen and underscore)(25).
Amount <i>(required)</i>	Invoice Amount	Decimal(12,2).
terms_and_conditions <i>(optional)</i>	Terms and conditions to be present in the Invoice	AlphaNumeric with special characters(hyphen, dot, circular brackets and ampersand)(500)
customer_mobile_no <i>(required)</i>	Mobile number of the customer receiving the Invoice	Numeric(10).
due_date <i>(required)</i>	Invoice Due date	Numeric(3)
late_payment_fees <i>(conditional)</i>	Fees to be charged in case of late payment. Late_payment_fees is required if merchant provide late_payment_fees_type.	Decimal(12,2).
late_payment_fees_type <i>(conditional)</i>	Unit representation of late_payment_fees. Late_payment_fees type is required if merchant provide late_payment_fees.	Possible value for late payment fees type is Perc/Flat .
discount_if_paid_within_due_date <i>(conditional)</i>	Number of days prior to due date when an additional discount is eligible. Discount_if_paid_within_due_date is required if merchant provide discount value or discount type.	Numeric(3) Ex: due_date is 15 th Jan 2014 discount_if_paid_within_due_date is 4 i.e. Discount is applicable up to 11 th Jan 2014.
discount_value <i>(conditional)</i>	Discount to be applied if the above condition is true. Discount value is required if merchant provide discount type.	Decimal(12,2).
discount_type <i>(conditional)</i>	Unit representation of discount_value. Discount type is required if merchant provide discount value.	Possible value for late payment fees type is Perc/Flat .
item_List <i>(conditional)</i>	Items associated with the Invoice. Provide at least one Item if merchant does not provide any Task.	Item type array. Refer to Item list section for structure.
task_List <i>(conditional)</i>	Tasks associated with the Invoice Provide at least one Task if merchant does not provide any Item.	Task type array. Refer to Task list section for structure.

Item_List:

Name	Description	Note
name	Item Name	Alphanumeric with special characters (space, underscore, hyphen)(30).
description	Item description	Alphanumeric with special characters (hyphen, dot, circular brackets, space, comma, underscore, hash (#) and symbol &)(60)
unit_cost	Cost per Item	Decimal (12,2) .
quantity	Quantity of item	Numeric(3).
tax_List	Tax associated with the Item	Tax type array. Refer to Tax list section for structure.

Task_List:

Name	Description	Note
name	Task Name	Alphanumeric with special characters (space, underscore and hyphen)(30).
notes	Notes for the task	Alphanumeric with special characters (hyphen, dot, circular brackets, space, comma , underscore, hash (#) and symbol &)(60)
rate	Rate per hour	Decimal (12,2) .
hours	Number of hours to be charged	Numeric(3).
tax_List	Tax associated with the task.	Tax type array. Refer to Tax list section for structure.

Tax_List:

Name	Description	Note
name	Tax list name	Alphanumeric with special characters (space, underscore and hyphen)(30).
amount	Amount of tax applicable	Decimal (13,4).

Note: Generate invoice without advance setting

XML Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Generate_Invoice_Query>
  <customer_name>abc</customer_name>
  <customer_email_id>abc@sify.com</customer_email_id>
  <customer_email_subject>Test</customer_email_subject>
  <customer_mobile_no>1234567898</customer_mobile_no>
  <currency>INR</currency>
  <valid_for>2</valid_for>
  <valid_type>days</valid_type>
  <item_List>
    <item>
      <name>ITEM</name>
      <description>FIRST</description>
      <unit_cost>1.00</unit_cost>
      <quantity>3</quantity>
      <tax_List>
        <tax name="Pint Tax" amount="2.5" />
        <tax name="Rent Tax" amount="8.0" />
      </tax_List>
    </item>
  </item_List>
  <task_List>
    <task>
      <name>TASK</name>
      <notes>NEW</notes>
      <rate>1.00</rate>
      <hours>2</hours>
      <tax_List>
        <tax name="Pint Tax" amount="2.5" />
        <tax name="Rent Tax" amount="8.0" />
      </tax_List>
    </task>
  </task_List>
  <merchant_reference_no>123456987</merchant_reference_no>
  <terms_and_conditions>terms and condition</terms_and_conditions>
  <sms_content>Pls pay your LegalEntity_Name bill # Invoice_ID for Invoice_Amount online at
Pay_Link.</sms_content>
</Generate_Invoice_Query>
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Json request:

```
{
  "customer_name": "abc",
  "customer_email_id": "abc@sify.com",
  "customer_email_subject": "Test",
  "customer_mobile_no": "9874561236",
  "currency": "INR",
  "valid_for": "2",
  "valid_type": "days",
  "item_List": [{
    "name": "ITEM",
    "description": "FIRST",
    "quantity": "3",
    "unit_cost": "1.00",
    "tax_List": [
      {"name": "Edu Tax","amount": "5.0"},
      {"name": "Pint Tax","amount": "2.5"}
    ]
  }],
  "task_List": [{
    "name": "TASK",
    "notes": "NEW",
    "hours": "2",
    "rate": "1.00",
    "tax_List": [
      {"name": "STG Tax","amount": "7.0"},
      {"name": "Rent Tax","amount": "8.0"}
    ]
  }],
  "merchant_reference_no": "123456987",
  "terms_and_conditions": "terms and condition",
  "sms_content": "Pls pay your LegalEntity_Name bill # Invoice_ID for Invoice_Currency
Invoice_Amount online at Pay_Link."
}
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

String Request format:

Format:

Customer_Name|Currency|Valid_For|Valid_Type|Customer_Email_Id|Customer_Email_Subject|Customer_Mobile_No|Term & Condition|SMS_Content|Merchant_Reference_No
|Item_Name\$Item_Quantity\$Item_Description\$Unit_Cost~Tax_Name\$Tax_Amount\$Tax_Name\$Tax_Amount^
Item_Name\$Item_Quantity\$Item_Description\$Unit_Cost~Tax_Name\$Tax_Amount\$Tax_Name\$Tax_Amount|Task_Name\$Task_Rate\$Task_Hours\$Task_Notes~Tax_Name\$Tax_Amount\$Tax_Name\$Tax_Amount^Task_Name\$Task_Rate\$Task_Hours\$Task_Notes~Tax_Name\$Tax_Amount\$Tax_Name\$Tax_Amount|Due_Date|Late_Payment_Fees|Late_Payment_Fees_Type|Discount_If_Paid_Within_Due_Date|Discount_Value|Discount_Type|

Example:

abcd|INR|2|days|xx.xx@xx.info|email subject|1234567890|term and condition|Pls call 022-2121212121 to pay your LegalEntity_Name bill # Invoice_ID for Invoice_Currency Invoice_Amount or pay online at Pay_Link.|MER123654|ITEM\$2\$FIRST\$1.00~Edu Tax\$5.0\$Pint Tax\$2.5|TASK\$1.0\$2\$NEW~STG Tax\$7.0\$Rent Tax\$8.0|||||

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Note: Generate Invoice with advance setting

XML Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Generate_Invoice_Query>
  <customer_name>abc</customer_name>
  <customer_email_id>abc@sify.com</customer_email_id>
  <customer_email_subject>Test</customer_email_subject>
  <customer_mobile_no>1234567898</customer_mobile_no>
  <currency>INR</currency>
  <valid_for>2</valid_for>
  <valid_type>days</valid_type>
  <item_List>
    <item>
      <name>ITEM</name>
      <description>FIRST</description>
      <unit_cost>1.00</unit_cost>
      <quantity>3</quantity>
    </item>
  </item_List>
</Generate_Invoice_Query>
```

```
<tax_List>
  <tax  name="Pint Tax" amount="2.5" />
  <tax  name="Rent Tax" amount="8.0" />
</tax_List>
</item>
</item_List>
<task_List>
  <task>
    <name>TASK</name>
    <notes>NEW</notes>
    <rate>1.00</rate>
    <hours>2</hours>
    <tax_List>
      <tax  name="Pint Tax" amount="2.5" />
      <tax  name="Rent Tax" amount="8.0" />
    </tax_List>
  </task>
</task_List>
<merchant_reference_no>123456987</merchant_reference_no>
<terms_and_conditions>terms and condition</terms_and_conditions>
<due_date>1</due_date>
<late_payment_fees>2.5</late_payment_fees>
<late_payment_fees_type>Perc</late_payment_fees_type>
<discount_if_paid_within_due_date>4</discount_if_paid_within_due_date>
<discount_value>1.50</discount_value>
<discount_type>Perc</discount_type>
<sms_content>Pls pay your LegalEntity_Name bill # Invoice_ID for Invoice_Currency
Invoice_Amount online at Pay_Link.</sms_content>
</Generate_Invoice_Query>
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Json request string:

```
{
  "customer_name": "abc",
  "customer_email_id": "abc@sify.com",
  "customer_email_subject": "Test",
  "customer_mobile_no": "1234567890",
  "currency": "INR",
  "valid_for": "2",
  "valid_type": "days",
  "item_List": [{
    "name": "ITEM",
    "description": "FIRST",
    "quantity": "3",
    "unit_cost": "1.00",
    "tax_List": [
      {"name": "Edu Tax","amount": "5.0"},
      {"name": "Pint Tax","amount": "2.5"}
    ]
  }],
  "task_List": [{
    "name": "TASK",
    "notes": "NEW",
    "hours": "2",
    "rate": "1.00",
    "tax_List": [
      {"name": "STG Tax","amount": "7.0"},
      {"name": "Rent Tax","amount": "8.0"}
    ]
  }],
  "merchant_reference_no": "123456987",
  "terms_and_conditions": "terms and condition",
  "due_date": "3",
  "late_payment_fees": "2.5",
  "late_payment_fees_type": "Perc",
  "discount_if_paid_within_due_date": "4",
  "discount_value": "1.50",
  "discount_type": "Perc" ,
  "sms_content": "Pls pay your LegalEntity_Name bill # Invoice_ID for Invoice_Currency
Invoice_Amount online at Pay_Link."
}
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

String Request format:

Format:

Customer_Name|Currency|Valid_For|Valid_Type|Customer_Email_Id|Customer_Email_Subject|Customer_Mobile_No|Term & Condition|SMS_Content|Merchant_Reference_No|Item_Name\$Item_Quantity\$Item_Description\$Unit_Cost~Tax_Name\$Tax_Amount\$Tax_Name\$Tax_Amount^Item_Name\$Item_Quantity\$Item_Description\$Unit_Cost~Tax_Name\$Tax_Amount\$Tax_Name\$Tax_Amount|Task_Name\$Task_Rate\$Task_Hours\$Task_Notes~Tax_Name\$Tax_Amount\$Tax_Name\$Tax_Amount^Task_Name\$Task_Rate\$Task_Hours\$Task_Notes~Tax_Name\$Tax_Amount\$Tax_Name\$Tax_Amount|Due_Date|Late_Payment_Fees|Late_Payment_Fees_Type|Discount_If_Paid_Within_Due_Date|Discount_Value|Discount_Type|

Example:

abcd|INR|2|days|xx.xx@xx.info|email subject|1234567890|term and condition|Pls call 022-2121212121 to pay your LegalEntity_Name bill # Invoice_ID for Invoice_Currency Invoice_Amount or pay online at Pay_Link.|MER1234654|ITEM\$2\$FIRST\$1.00~Edu Tax\$5.0\$Pint Tax\$2.5|TASK\$1.0\$2\$NEW~STG Tax\$7.0\$Rent Tax\$8.0|1|2.5|Perc|1|1.50|Perc|

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

12. Generate Recurring Invoice

Recurring invoice call is used to generate recurring invoice for a customer of a merchant.

Request Parameters

Name	Description	Note
enc_request (required)	AES encrypted request data	
access_code (required)	This is the access code for your application. You must send this with each request.	
request_type (required)	API requests are accepted in XML, JSON or String. Specify the request type.	Possible value for request_type is "XML" or "JSON" or "STRING".
response_type (optional)	API returns response in XML, JSON or String format. If left blank, the response will be in the same format as request.	Possible value for response_type is "XML" or "JSON" or "STRING".
Command (required)	Command value specifies the API calls. You must send this with each request.	Possible value for this API call is "generateRecurringInvoice"
customer_name (required)	Name of the customer receiving the Invoice	Alphanumeric with special characters (space, hyphen, apostrophe, underscore, dot)(60).
customer_email_id (required)	Email ID on which the Invoice will be sent	Alphanumeric with special characters (hyphen, underscore, dot,@)(70).
customer_email_subject (required)	Subject of the email containing the Invoice	Alphanumeric with special characters (hyphens, dot, space and underscores)(100).
valid_for (required)	Duration for which the Invoice is valid	Numeric(4).
valid_type (required)	The unit of duration represented by valid_for	Possible values for valid type is minutes/hours/days/month/year
Currency (required)	Currency for which the Invoice is to be generated	String Example: INR – Indian Rupee USD – United States Dollar SGD – Singapore Dollar GBP – Pound Sterling EUR – Euro, official currency of Eurozone
merchant_reference_no (optional)	Merchant identifier for the Invoice	Alphanumeric with special characters(hyphen and underscore)(25).
Amount (required)	Invoice Amount	Decimal(12,2).

terms_and_conditions (optional)	Terms and conditions to be present in the Invoice	AlphaNumeric with special characters(hyphen, dot, circular brackets and ampersand)(500)
customer_mobile_no (required)	Mobile number of the customer receiving the Invoice	Numeric(10).
due_date (required)	Invoice Due date	Numeric(3)
late_payment_fees (conditional)	Fees to be charged in case of late payment. Late_payment_fees is required if merchant provide late_payment_fees_type.	Decimal(12,2).
late_payment_fees_type (conditional)	Unit representation of late_payment_fees. Late_payment_fees type is required if merchant provide late_payment_fees.	Possible value for late payment fees type is Perc/Flat .
discount_if_paid_within_due_date (conditional)	Number of days prior to due date when an additional discount is eligible. Discount_if_paid_within_due_date is required if merchant provide discount value or discount type.	Numeric(3) Ex: due_date is 15 th Jan 2014 discount_if_paid_within_due_date is 4 i.e. Discount is applicable up to 11 th Jan 2014.
discount_value (conditional)	Discount to be applied if the above condition is true. Discount value is required if merchant provide discount type.	Decimal(12,2).
discount_type (conditional)	Unit representation of discount_value. Discount type is required if merchant provide discount value.	Possible value for late payment fees type is Perc/Flat .
Occurrences (conditional)	Number of occurrences for Invoice Occurrences is required if merchant provide Frequency.	Numeric(3).
Frequency (conditional)	Frequency for generating the occurrences Frequency is required if merchant provide Start_date.	Possible values for frequency are Daily/Monthly/Quarterly/ Yearly .
start_date (conditional)	Start date specifies 1 st occurrence. Start_date is required if merchant provide Occurrences.	Date format in dd-mm-yyyy .
item_List (conditional)	Items associated with the Invoice. Provide at least one Item if merchant does not	Item type array. Refer to Item list section for structure.

	provide any Task.	
task_List <i>(conditional)</i>	Tasks associated with the Invoice Provide at least one Task if merchant does not provide any Item.	Task type array. Refer to Task list section for structure.

Note: Recurring Invoice without advance setting

XML Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Generate_Invoice_Query>
  <customer_name>xxxx</customer_name>
  <customer_email_id>xxxxxx.xxxx@xxxxx.com</customer_email_id>
  <customer_email_subject>Test</customer_email_subject>
  <customer_mobile_no>9874561236</customer_mobile_no>
  <currency>INR</currency>
  <valid_for>2</valid_for>
  <valid_type>days</valid_type>
  <start_date>15-08-2014</start_date>
  <frequency>Monthly</frequency>
  <occurrences>5</occurrences>
  <item_List>
    <item>
      <name>ITEM</name>
      <description>FIRST</description>
      <unit_cost>1.00</unit_cost>
      <quantity>3</quantity>
      <tax_List>
        <tax name="Pint Tax" amount="2.5" />
        <tax name="Rent Tax" amount="8.0" />
      </tax_List>
    </item>
  </item_List>
  <task_List>
    <task>
      <name>TASK</name>
      <notes>NEW</notes>
      <rate>1.00</rate>
      <hours>2</hours>
      <tax_List>
        <tax name="Pint Tax" amount="2.5" />
        <tax name="Rent Tax" amount="8.0" />
      </tax_List>
    </task>
  </task_List>
  <merchant_reference_no>123456987</merchant_reference_no>
  <terms_and_conditions>terms and condition</terms_and_conditions>
  <sms_content>Pls pay your LegalEntity_Name bill # Invoice_ID for Invoice_Currency
  Invoice_Amount online at Pay_Link.</sms_content>
</Generate_Invoice_Query>
```




Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Json request:

```
{
  "customer_name": "xxxxxx",
  "customer_email_id": "xxxx.xxx@xxx.com",
  "customer_email_subject": "Test",
  "customer_mobile_no": "9874561236",
  "currency": "INR",
  "valid_for": "2",
  "valid_type": "days",
  "start_date": "15-08-2014",
  "frequency": "Monthly",
  "occurrences": "5",
  "item_List": [{
    "name": "ITEM",
    "description": "FIRST",
    "quantity": "3",
    "unit_cost": "1.00",
    "tax_List": [
      {"name": "Edu Tax","amount": "5.0"},
      {"name": "Pint Tax","amount": "2.5"}
    ]
  }],
  "task_List": [{
    "name": "TASK",
    "notes": "NEW",
    "hours": "2",
    "rate": "1.00",
    "tax_List": [
      {"name": "STG Tax","amount": "7.0"},
      {"name": "Rent Tax","amount": "8.0"}
    ]
  }],
  "merchant_reference_no": "123456987",
  "terms_and_conditions": "terms and condition",
  "sms_content": "Pls pay your LegalEntity_Name bill # Invoice_ID for Invoice_Currency
Invoice_Amount online at Pay_Link."
}
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

String Request format:

Format:

Customer_Name|Currency|Valid_For|Valid_Type|Customer_Email_Id|Customer_Email_Subject|Customer_Mobile_No|Term & Condition|SMS_Content|Merchant_Reference_number|Item_Name\$Item_Quantity\$Item_Description\$Unit_Cost~Tax_Name\$Tax_Amount\$Tax_Name\$Tax_Amount^Item_Name\$Item_Quantity\$Item_Description\$Unit_Cost~Tax_Name\$Tax_Amount\$Tax_Name\$Tax_Amount|Task_Name\$Task_Rate\$Task_Hours\$Task_Notes~Tax_Name\$Tax_Amount\$Tax_Name\$Tax_Amount^Task_Name\$Task_Rate\$Task_Hours\$Task_Notes~Tax_Name\$Tax_Amount\$Tax_Name\$Tax_Amount|Start_Date|Frequency|Occurrences|Due_Date|Late_Payment_Fees|Late_Payment_Fees_Type|Discount_If_Paid_Within_Due_Date|Discount_Value|Discount_Type|

Example:

abcd|INR|2|days|xx.xx@xx.info|email subject|999999999|t&c|Pls call 022-2121212121 to pay your LegalEntity_Name bill # Invoice_ID for Invoice_Currency Invoice_Amount or pay online at Pay_Link.|MER1234|ITEM\$2\$FIRST\$1.00~Edu Tax\$5.0\$Pint Tax\$2.5|TASK\$1.0\$2\$NEW~STG Tax\$7.0\$Rent Tax\$8.0|18-09-2014|Monthly|5|||||

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Note: Recurring invoice with advance setting

XML Request:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Generate_Invoice_Query>
  <customer_name>abc</customer_name>
  <customer_email_id>abc@sify.com</customer_email_id>
  <customer_email_subject>Test</customer_email_subject>
  <customer_mobile_no>1234567890</customer_mobile_no>
  <currency>INR</currency>
  <valid_for>2</valid_for>
  <valid_type>days</valid_type>
  <start_date>15-08-2014</start_date>
  <frequency>Monthly</frequency>
  <occurrences>5</occurrences>
  <item_List>
    <item>
      <name>ITEM</name>
      <description>FIRST</description>
```

```
<unit_cost>1.00</unit_cost>
<quantity>3</quantity>
<tax_List>
  <tax name="Pint Tax" amount="2.5" />
  <tax name="Rent Tax" amount="8.0" />
</tax_List>
</item>
</item_List>
<task_List>
  <task>
    <name>TASK</name>
    <notes>NEW</notes>
    <rate>1.00</rate>
    <hours>2</hours>
    <tax_List>
      <tax name="Pint Tax" amount="2.5" />
      <tax name="Rent Tax" amount="8.0" />
    </tax_List>
  </task>
</task_List>
<merchant_reference_no>123456987</merchant_reference_no>
<terms_and_conditions>terms and condition</terms_and_conditions>
<due_date>1</due_date>
<late_payment_fees>2.5</late_payment_fees>
<late_payment_fees_type>Perc</late_payment_fees_type>
<discount_if_paid_within_due_date>4</discount_if_paid_within_due_date>
<discount_value>1.50</discount_value>
<discount_type>Perc</discount_type>
<sms_content>Pls pay your LegalEntity_Name bill # Invoice_ID for Invoice_Currency
Invoice_Amount online at Pay_Link.</sms_content>
</Generate_Invoice_Query>
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

JSON Request:

```
{
  "customer_name": "abc",
  "customer_email_id": "abc@sify.com",
  "customer_email_subject": "Test",
  "customer_mobile_no": "9874561236",
  "currency": "INR",
  "valid_for": "2",
  "valid_type": "days",
  "start_date": "15-08-2014",
  "frequency": "Monthly",
  "occurrences": "5",
  "item_List": [{
    "name": "ITEM",
    "description": "FIRST",
    "quantity": "3",
    "unit_cost": "1.00",
    "tax_List": [
      {"name": "Edu Tax","amount": "5.0"},
      {"name": "Pint Tax","amount": "2.5"}
    ]
  }],
  "task_List": [{
    "name": "TASK",
    "notes": "NEW",
    "hours": "2",
    "rate": "1.00",
    "tax_List": [
      {"name": "STG Tax","amount": "7.0"},
      {"name": "Rent Tax","amount": "8.0"}
    ],
  }],
  "merchant_reference_no": "123456987",
  "terms_and_conditions": "terms and condition",
  "due_date": "1",
  "late_payment_fees": "2.5",
  "late_payment_fees_type": "Perc",
  "discount_if_paid_within_due_date": "4",
  "discount_value": "1.50",
  "discount_type": "Perc",
  "sms_content": "Pls pay your LegalEntity_Name bill # Invoice_ID for Invoice_Currency
Invoice_Amount online at Pay_Link."
}
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before

sending it to HDFC. Kindly refer to the encryption section.

String Request format:

Format:

Customer_Name|Currency|Valid_For|Valid_Type|Customer_Email_Id|Customer_Email_Subject|Customer_Mobile_No|Term & Condition|SMS_Content|Merchant_Reference_number|Item_Name\$Item_Quantity\$Item_Description\$Unit_Cost~Tax_Name\$Tax_Amount\$Tax_Name\$Tax_Amount^Item_Name\$Item_Quantity\$Item_Description\$Unit_Cost~Tax_Name\$Tax_Amount\$Tax_Name\$Tax_Amount|Task_Name\$Task_Rate\$Task_Hours\$Task_Notes~Tax_Name\$Tax_Amount\$Tax_Name\$Tax_Amount^Task_Name\$Task_Rate\$Task_Hours\$Task_Notes~Tax_Name\$Tax_Amount\$Tax_Name\$Tax_Amount|Start_Date|Frequency|Occurrences|Due_Date|Late_Payment_Fees|Late_Payment_Fees_Type|Discount_If_Paid_Within_Due_Date|Discount_Value|Discount_Type|

Example:

abcd|INR|2|days|xx.xx@xx.info|email subject|999999999|t and c|Pls call 022-2121212121 to pay your LegalEntity_Name bill # Invoice_ID for Invoice_Currency Invoice_Amount or pay online at Pay_Link.|MER1234|ITEM\$2\$FIRST\$1.00~Edu Tax\$5.0\$Pint Tax\$2.5|TASK\$1.0\$2\$NEW~STG Tax\$7.0\$Rent Tax\$8.0|18-09-2014|Monthly|5|1|2.5|Perc|1|1.50|Perc|

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

13. Generate Quick Invoice

This Quick invoice API call is used to generate a quick invoice for a customer.

This is a flavour of regular invoice but with limited options hence an easy implementation.

Request Parameters

Name	Description	Note
enc_request (required)	AES encrypted request data	
access_code (required)	This is the access code for your application. You must send this with each request.	
request_type (required)	API requests are accepted in XML, JSON or String. Specify the request type.	Value is "XML" or "JSON" or "STRING".
response_type (optional)	API returns XML, JSON or String responses. If left blank, the response will be in the same format as request.	Value is "XML" or "JSON" or "STRING".
command (required)	This is the command to access the API Calls. You must send this with each request.	"generateQuickInvoice" for generate Quick invoice.
customer_name (required)	Name of the customer receiving the Invoice	Alphanumeric with special characters (space, hyphen, apostrophe, underscore, dot)(60).
customer_email_id (required)	Email ID on which the Invoice will be sent	Alphanumeric with special characters (hyphen, underscore, dot, @)(70).
customer_email_subject (required)	Subject of the email containing the Invoice	Alphanumeric with special characters (hyphens, dot, space and underscores)(100).
valid_for (required)	Duration for which the Invoice is valid	Numeric(4)
valid_type (required)	The unit of duration represented by valid_for	Possible values for valid type is minutes/hours/days/month/year
Currency (required)	Currency for which the Invoice is to be generated	String Example: INR – Indian Rupee USD – United States Dollar SGD – Singapore Dollar GBP – Pound Sterling EUR – Euro, official currency of Eurozone
amount (required)	Invoice Amount for the generate invoice.	Decimal(12,2)
customer_mobile_no (required)	Mobile number of the customer receiving the Invoice.	Numeric(10)

bill_delivery_type (required)	Invoice delivery mechanism.	Possible value for bill delivery type is EMAIL/SMS/BOTH .
Files (optional)	Attachments to be sent with the quick invoice. Applicable only if bill delivery type is EMAIL/BOTH .	File type array described in below table.

Files:-

Name	Description	Note
Name (required)	Attachment file name which is passing at generate invoice time.	String File extension must be (.jpg .jpeg .doc .pdf .docx .png)format
Content (required)	Attachment file content must be in byte array format decoded with <i>decodeBase64</i> algorithm.	String(Attachment file size up to MOB)

Xml request format:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Generate_Invoice_Query>
  <customer_name>abc</customer_name>
  <bill_delivery_type>SMS</bill_delivery_type>
  <customer_mobile_no>9874563214</customer_mobile_no>
  <customer_email_id>xxxxx.xxxx@xxxx.com</customer_email_id>
  <customer_email_subject>Test</customer_email_subject>
  <invoice_description>Test</invoice_description>
  <currency>INR</currency>
  <valid_for>2</valid_for>
  <valid_type>days</valid_type>
  <amount>10.0</amount>
  <merchant_reference_no>123456987</merchant_reference_no>
  <terms_and_conditions>terms and condition</terms_and_conditions>
  <sms_content>Pls pay your LegalEntity_Name bill # Invoice_ID for
  Invoice_Currency Invoice_Amount online at Pay_Link.</sms_content>
  <files>
    <name>Test.doc</name>
    <content>77u/SGVsbG8gaW5kaWEK</content>
  </files>
</Generate_Invoice_Query>
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Json Request Format:

```
{
  "customer_name": "subash",
  "bill_delivery_type": "both",
  "customer_mobile_no": "8698319931",
  "customer_email_id": "subash.yadav@avenues.info",
  "customer_email_subject": "Test",
  "invoice_description": "Test",
  "currency": "INR",
  "valid_for": 2,
  "valid_type": "days",
  "amount": 10.0,
  "merchant_reference_no": "123456987",
  "terms_and_conditions": "terms and condition",
  "sms_content": "Pls call 022-2121212121 to pay your LegalEntity_Name bill # Invoice_ID for
  Invoice_Currency Invoice_Amount or pay online at Pay_Link.",
  "files": [{
    "name": "Test.doc",
    "content": "77u/SGVsbG8gaW5kaWEK"
```

```
}  
  }  
}
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

String Request Format:

customer_name|currency|valid_for|valid_type|amount|bill_delivery_type|merchant_reference_no|terms_and_conditions|mobile_no|sms_content|customer_email_id|customer_email_subject|invoice_description|file_name\$file_content^ file_name\$file_content|

Example:

xxxxxxx|INR|2|days|1.00|SMS|123456987|terms and condition|9874563215|Pls call 022-2121212121 to pay your LegalEntity_Name bill # Invoice_ID for Invoice_Currency Invoice_Amount or pay online at Pay_Link.|xxxx.xxx@xxx.com|test invoice mail|this invoice generate for testing|invoice.doc\$77u/SGVsbG8gaW5kaWEK|

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Invoice Response:

Response Parameters

Name	Description	Note
status	This states whether the call was successful or not. If value of this parameter is "1" then you need not decrypt the enc_response as it will contain plain error message.	Value "0" denotes that the API call was successful. Value "1" denotes API call failure. On enc_response is plain text represents the error message.
enc_response	AES encrypted response containing format as per <i>response_type</i>	
Invoice_id	Unique HDFC bill id for the generate invoice.	Numeric(25).
qr_code	Unique HDFC QR Code for the generate invoice.	AlphaNumeric with special characters(hyphen and underscore).
tiny_url	Unique HDFC tiny_url to pay invoice bill for the generate invoice.	String url Example: http://payit.cc/I508930
Invoice_status	Invoice status specifies whether invoice generated successfully or not.	Value "0" denotes Invoice was created successfully Value "1" denotes Invoice creation failure.
error_desc	Reason if generate invoice API call fails to generate invoice.	String Please refer below table for failure message.
error_code	Error code for Failure reason.	String Please refer below table for failure message.

Note: If invoice created successfully.

XML Response:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Generate_Invoice_Result invoice_status="0" error_desc="" error_code="">
  <qr_code>iVBORw0KGgoAAAANSUHEUgAAAH0AAAB9CAYAAACPgGwIAAA
    B70IEQVR42u3dUW7DIBAFQO5_6fYKQebBws6T8hO1cexZCbE
    2ZPxJuwyXALpAF-gCXaALdIEu0AW6QBfoAl2gC3SBLtAFOnSBL
    tAFukAX6NldfYyx_DV73FXfucJ5QYcOHXpB9MTnJlrkl_9Nnxd06
    NchX4o-izX7fuJ77jwv6NChQ2-OnvibaucFHTp06M3H9C-
    dtMRYDx06dOg6cqWmVDuxoEOHDv0B9MR95wrvu58OH
    Tr0hujVpoTdAx06dOjhMX122pJ4FOpLwaQ7gdChQ4f-
    WEcuscAh0WHTkYMOHXpz9HSnLnGsdDG07chBhw79
    VfSdFzBRSC90_6BDhw79kgJldNW-dN6qFwl06NChX1IAiYUSieO
    2WuwAHTp0a9m-X8Cd4-veimgQ4cO_eGOXOICnpo6ndocCTp06N
    CljOnpLtapnSuqrImDDh069Muzqqu2aqy30RB06NAbduTSO1Gk
    X6um Y7YfgQ4d-mPo6c9JT9kSRf78PB06dOjd0NOb_O98ROrU
    z3tBhw4d-sPo6R8ISC_KgA4dOnTo26Zsq8ZrN1ygQ4feED1RPK
    cKsuLUDDp06NA3ot94X3vnl1XQoUOHfhG61Ap06AJdoAt0gS7
    QbbpAF-gCXaALdIEu0AW6QBfo0AW6QBfoAl2gS-
    X8AxaWndzCTzIXAAAAAEIFTkSuQmCC
  </qr_code>
  <tiny_url>http://payit.cc/I5089330</tiny_url>
  <invoice_id>5089330</invoice_id>
</Generate_Invoice_Result>
```

Json Response:

```
{
  "invoice_id": "5094112",
  "tiny_url": "http://payit.cc/I5094112",
  "qr_code": "iVBORw0KGgoAAAANSUHEUgAAAH0AAAB9CAYAAACPgGwIAAAB70IEQVR42u3dUW7
    CMBBF0ex_0-0WiOw3GXvOlfpTUQo5loINjs-
    fxvU4BNAFXdAFXdAFXdAFXdAFXdAFXdAFXdAFXdCh7qgC7qgC7qmoz_Ps_3n7f_d9Zg7PC_o0KFD
    b4ieUj_
    EIPnlb9PPCzp06NAPRX-L9fb3icdZ-bygQ4cOfTh64jbdnhd06NChDz-
    nr6ykJc710KFDh25FrtWUqhILOnTo0C9AT7zv3OH33k-
    HDh36QPRuU8LpQYcOHXr4nP522pL4KNTKgEmvBEKHDh36ZVO2r87vIZsprMhBhw79silb5Qr
    broGXGAYjVu
    SgQ4c-
    ee1914H9avvzSat_0KFDh95sACS2HidW3roPEujQoUP_aHVuZfpTeZvEoIIOHTr0g9AT06LEgU1vc4YOHTp05
    _Ttg-
    qULymCDh069EPP6ZXbh6fvWYMOHTr0w1t5EyTxhogvGoIOHfrAFbnKb6JlvK7YNR3z9SPQoUO_DL3y
    fio3U
    6wM8uuvn6dChQ5-
    G3uGjU4I9cJUXGoAOHTr0i9HTFwhlv5aADh06dOifb2dOb4iADh06dCtyW6ZylDDk7xJ06NChB9A7XMMIPd1
    bOSbQoUOHfhC6egUduqALuqALuqALuqALuqALuqALuqALuqALOnRBF3RBF3RBV-f-AQYJCX-
    9Na5BAAAAAEIFTkSuQmCC",
```

```
"invoice_status":0,  
"error_desc": "",  
"error_code": ""  
}
```

String Response:

Format:invoice_status|invoice_id|qr_code|tiny_url|

Example:

```
0|5089334|iVBORw0KGgoAAAANSUHEUgAAAH0AAAB9CAYAAACPgGwIAAAB6UIEQVR42u3dQW7DMAw  
EQP3_08kXEpgR0tIs0EvRurHHgETKctdHrstyCaALdIEu0AW6QBfoAl2gC3SBLtAFukAX6AJdoEMX6AJdoAt0gS  
63o6-1yr9-Of6TzznhvKBDhw79RegTjIP1d996XtChQ4e-  
8aL9O3b_e9Gq5gw7zws6dOjQoUdvmK7zgg4dOnTo0a6XMR06dOjQ2ztyT8q3WzqN0KFDhx5AT6-  
nd33fejp06NAvRN-  
Z9KLMEdcIOnTo0HvG9ARo4jNX_a6JHHTo0A8b0xMbHko2LKRvvM55AnTo0KE3IVddFyrReVOnQ4cO_ZLm  
TBdues6Q3kYNHTp06C9CTzza1LWGXjU3gA4dOvTLO3KJsbuqTJvenYMOHTr0jdBPfr6rjEqcC3To0KEf3JFLlz8  
TSsijx3To0KEr2XrfRFG1-GlvG3To0KGPunkSmxF05KBDh35hyZYe-  
9LHTMwxoEOHDv3Cjlyiu5VeHJnYhYMOHTr0jeg7S6fEurnHpaBDhw591H6xrtd-  
KtmgQ4cOvWXfWQJx4tsqoEOHDv0IHbn0freqbps3UUCHDv1g9J3_wyV9I3kaFjp06J57I0GBDI2gC3SBLtAFu  
kAX6AJdoAt0gS7QBbpAF-gCHbpAF-  
gCXaALdJmclYERMkikhZ8LAAAAAEIFTkSuQmCC|http://payit.cc/I5089334|
```

Note: If invoice not created successfully.

XML Response:

```
<Generate_Invoice_Result invoice_status="1" error_desc="Tax not configured for the merchant"  
error_code="51323"/>
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Json Response:

```
{  
  "error_desc": "Tax not configured for the merchant.",  
  "error_code": "51323",  
  "invoice_status": 1  
}
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

String Response:

Format:invoice_status|error_code|error_desc|

Example: 1|51323|Tax not configured for the merchant.|

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

14. Get Item List

Item list API call allows you to find all task and item list which is configured for the merchant.

Request Parameters

For Invoice Items, end request data is not required. Merchant has to send the command , Access code , request_type and response_type parameters only.

Name	Description	value
enc_request (required)	AES encrypted request data	
access_code (required)	Unique HDFC access code which is generated when merchant registered their IP address. You must send this with each request.	
request_type (required)	API requests are accepted in XML, JSON or String. Specify the request type.	Possible value for request_type is "XML" or "JSON" or "STRING".
response_type (optional)	API returns XML, JSON or String responses. If left blank, the response will be in the same format as request.	Possible value for response_type is "XML" or "JSON" or "STRING".
Command (required)	Command value specifies the API calls. You must send this with each request.	Possible value for this API call is "getInvoiceItems".

Request example:

access_code=xxxxxxxxxxxx&command=getInvoiceItems&request_type=xml&response_type=xml

Response Parameters

Name	Description	Note
status	This states whether the call was successful or not. If value of this parameter is "1" then you need not decrypt the enc_response as it will contain plain error message.	Value "0" denotes that the API call was not successful. Value "1" denotes API call failure. On enc_response is plain text representing the error message.
enc_response	AES encrypted response containing format as per <i>response_type</i>	
error_desc	This Attribute contains the description of the failure request processing. When status is 1 then this attribute will generate the reason for failure.	Please refer below table for the failure message.
error_code	Error code for Failure reason.	String Please refer below table for failure message.
item_List	List of all item/task which is configured for the merchant	Item List type array. Refer to Item List section for structure

Item List:

Name	Description	Note
description	Descriptive information about the Item/task.	Alphanumeric with special characters (hyphen, dot, circular brackets, space, comma , underscore, hash (#) and symbol &)(60).
name	Unique name of the Item/task for the generate invoice which is assigned against the merchant id.	Alphanumeric with special characters (space, hyphen, apostrophe, underscore, dot)(60).
type	Specify the item type provided.	Possible values for item type are ITEM/TASK .

Example XML Response

Success:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Invoice_Item_Result status="0" error_code="" error_desc="">
  <item_List>
    <item name="First Task" type="TASK" description="sgsdfgsfgsdfg" />
    <item name="test" type="TASK" description="test" />
    <item name="test" type="ITEM" description="test" />
    <item name="TestITEM" type="ITEM" description="TEST"/>
  </item_List>
</Invoice_Item_Result>
```

Failure:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Invoice_Item_Result status="1" error_desc="Enc_request: No record found for given criteria."
error_code="51419"/>
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example JSON Response

Success:

```
{
  "item_List":[
    {"name":"HP","description":"QC","type":"ITEM"},
    {"name":"asdasd","description":"asdasd","type":"TASK"},
    {"name":"STG","description":"test","type":"ITEM"},
    {"name":"ITEM","description":"FIRST","type":"ITEM"},
    {"name":"TASK","description":"NEW","type":"TASK"},
    {"name":"TASK2","description":"NEW","type":"TASK"}
  ],
  "status":0,
  "error_desc": "",
  "error_code": ""
}
```

Failure:

```
{
  "status":1,
  "error_desc": "Enc_request: No record found for given criteria.",
  "error_code": "51419"
```

}

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example STRING Response

Success:

Format: status|type\$name\$description^ type\$name\$description|

Example: 0|TASK\$First Task\$sgsdfgsfgsdfg^TASK\$Second Task\$Second task notes^TASK\$test\$test^ITEM\$Second Task\$akshay^ITEM\$test\$test|

Failure:

Format: status|error_code|error_desc|

Example: 1|51419|Enc_request: No record found for given criteria.|

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

15. Invoice Lookup

Invoice lookup API call is used to find the list of all invoices.

Request Parameters

Name	Description	value
enc_request (required)	AES encrypted request data	
access_code (required)	Unique HDFC access code which is generated when merchants registered their IP address. You must send this with each request.	
request_type (required)	API requests are accepted in XML, JSON or String. Specify the request type.	Possible value for request_type is "XML" or "JSON" or "STRING" .
response_type (optional)	API returns response in XML, JSON or String format. If left blank, the response will be in the same format as request.	Possible value for response_type is "XML" or "JSON" or "STRING" .
Command (required)	Command value specifies the API calls. You must send this with each request.	Possible value for this API call is "invoiceList" .
from_date (conditional)	Mandatory along with to_date if no other criteria mentioned	Date must be dd-mm-yyyy format.
to_date (conditional)	Mandatory along with from_date if no other criteria mentioned	Date must be dd-mm-yyyy format.
max_amount (optional)	Max amount of the invoice to be searched	Decimal(12,2)
min_amount (optional)	Min amount of the invoice to be searched	Decimal(12,2)
created_by (optional)	Unique identification of the merchant for the generate invoice.	String(Unique id of Merchant)
mobile_no (optional)	Customer mobile number for the generate invoice.	Numbers(10)
email_id (optional)	Customer email id for the generate invoice.	Alphanumeric with special characters (hyphen, underscore, dot, @)(70).
reference_no (optional)	Unique HDFC reference number for the transaction.	Numeric(25)
invoice_id (optional)	Unique HDFC bill id for the generate invoice.	Numeric value(25)
invoice_type (optional)	Provide only possible value of the invoice type.	The possible values for invoice type is quick/invoice/recurring
page_no (required)	The default value of page no is 1.	Number(1)

Request:**XML Format:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Invoice_List_Query>
  <from_date>10-09-2014</from_date>
  <to_date>11-09-2014</to_date>
  <max_amt>12.00</max_amt>
  <min_amt>1.00</min_amt>
  <created_by>xxx</created_by>
  <invoice_email>xxx@xx.xxx</invoice_email>
  <invoice_mobile_no>1234567890</invoice_mobile_no>
  <reference_no>1234</reference_no>
  <invoice_id>321</invoice_id>
  <invoice_no>345678</invoice_no>
  <invoice_type>TASK/ITEM</invoice_type>
  <invoice_type_name>Task</invoice_type_name>
  <page_count>1</page_count>
</Invoice_List_Query>
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

JSON Format:

```
{
  "from_date":"10-10-2014",
  "to_date":"11-10-2014",
  "max_amt":"10.00",
  "min_amt":"1.00",
  "created_by":"xxx",
  "invoice_email":"xxxx@xxx.com",
  "invoice_mobile_no":"1234569871",
  "reference_no":"123654",
  "invoice_id":"123",
  "invoice_no":"147852",
  "invoice_type":"item/task",
  "invoice_type_name":"task",
  "page_count":"1"
}
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

String Format:

FromDate|ToDate|max_amount|min_amount|created_by|mobile_no|email_id|reference_no|invoice_id|invoice_no|invoice_type|invoice_type_name|page_no|

Example:[11-10-2014|12-10-2014|10.00|1.00|xxxx|1236547895|xxxx@xx.com|123654789|741258|45698741|task|FIRST|1|](#)

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Response Parameters

Name	Description	Note
status	This states whether the call was successful or not. If value of this parameter is "1" then you need not decrypt the enc_response as it will contain plain error message.	Value "0" denotes that the API call was successful. Value "1" denotes API call failure. On enc_response is plain text representing the error message.
enc_response	AES encrypted response containing format as per <i>response_type</i>	
Invoice_ID	Unique HDFC bill id for the generate invoice.	Numeric(25).
Invoice_ref_no	Merchant identifier for the Invoice	Alphanumeric with special characters(hyphen and underscore)(25).
Invoice_created_by	Unique merchant ID for the generate invoice.	String(70).
order_no	Order No for the transaction.	AlphaNumeric with special characters(hyphen and underscore)(30).
order_amt	Amount for the transaction.	Decimal(12,2).
order_bill_address	Order billing address details for the order.	Possible value for address is Alphanumeric with special characters (space, hyphen, comma, ampersand(&), hash(#), circular brackets and dot)(315)
order_bill_city	Order billing City name for the order.	Possible value for city is Alphanumeric with special characters (space, comma, hyphen and dot)(30).
order_bill_country	Order billing country for the Order.	Possible value for country is Alphanumeric with special characters (space)(30).
order_bill_email	Email Address of the Order for notifications.	Possible value for email id is Alphanumeric with special characters (hyphen, underscore, dot,@)(70).
order_bill_name	Order billing name for the order.	Possible value for name is Alphanumeric with special characters (space, hyphen, apostrophe, underscore, dot)(60).
order_bill_state	Order billing state for the order.	Alphanumeric with special

		characters (hyphen, dot and space)(30).
order_bill_tel	Order billing telephone no for the order.	Numeric(10)
order_bill_zip	Order billing address' pin code for the order.	Possible value for zip is AlphaNumeric with special characters(hyphen and space) (15).
order_capt_amt	Captured amount for the transaction. Captured amount can be full or partial of the transaction amount.	Decimal (12,2)
order_curr	Possible order Currency in which merchant processed the transaction.	String Examples: INR – Indian Rupee USD – United States Dollar SGD – Singapore Dollar GBP – Pound Sterling EUR – Euro, official currency of Eurozone
order_date_time	Order Generated Date &Time.	DateTime in IST(yyyy-MM-dd HH:mm:ss.SSS) format.
order_device_type	This is the type of device using which the transaction was processed.	Possible value for device type is IVRS/MOB/PC .
order_discount	This is Discount Value for the Order No.	Decimal(12,2).
order_fee_flat	Flat Fee for the Order No.	Decimal(12,2).
order_fee_perc	Provides the percentage fee for the same order No.	Decimal(12,2).
order_fee_perc_value	This attribute provides the percentage fee Value for the same order No.	Decimal(12,2).
order_fraud_status	Specify whether orders are valid or not.	String Possible Values are: 1) Value " High " denotes "High Risk" 2) Value " Low " denotes "Low Risk" 3) Value " NR " denotes "No Risk" 4) Value " GA " denotes "Go Ahead" 5) Value " NA " denotes "Not Applicable"
order_gross_amt	Total transaction amount.	Decimal(12,2).
order_ip	Customer IP Address (i.e. from where transaction is being initiated)	IP V-4 Supported.
order_no	Order No for the transaction.	AlphaNumeric with special characters(hyphen and underscore)(30).

order_notes	Order information you wish to provide.	AlphaNumeric with special characters(space, comma, dot, hyphen and underscore)(60).
order_ship_address	Shipping Address for the order.	Possible value for address is Alphanumeric with special characters (space, hyphen, comma, ampersand(&), hash(#), circular brackets and dot)(315)
order_ship_city	Shipping city name for the orders.	Possible value for city is Alphanumeric with special characters (space, comma, hyphen and dot)(30).
order_ship_country	Shipping country name for the orders.	Possible value for country is Alphanumeric with special characters (space)(30).
order_ship_email	Shipping email ID for the notifications of the transaction.	Possible value for email id is Alphanumeric with special characters (hyphen, underscore, dot, @)(70).
order_ship_name	Shipping Name of the Customer for the order.	Possible value for name is Alphanumeric with special characters (space, hyphen, apostrophe, underscore, dot)(60).
order_ship_state	Shipping state for the order.	Alphanumeric with special characters (hyphen, dot and space)(30).
order_ship_tel	Telephone no for notifications of the transaction.	Numeric(10).
order_ship_zip	Order shipping address' pin code for the order.	Possible value for zip is AlphaNumeric with special characters(hyphen and space) (15).
order_status	Status of the order. It can be single or multiple.	String Possible values are: Aborted (transaction is cancelled by the User) Auto-Cancelled (transaction has not confirmed within 12 days hence auto cancelled by system) Auto-Reversed (two identical transactions for same order number, both were successful at bank's end but we got response for only one of them,

		<p>then next day during reconciliation we mark one of the transaction as auto reversed)</p> <p>Awaited (transaction is processed from billing shipping page but no response is received)</p> <p>Cancelled (transaction is cancelled by merchant)</p> <p>Chargeback()</p> <p>Invalid(Transaction sent to HDFC with Invalid parameters, hence could not be processed further)</p> <p>Fraud (we update this during recon, the amount is different at bank's end and at HDFC due to tampering)</p> <p>Initiated (transaction just arrived on billing shipping page and not processed further)</p> <p>Refunded (Transaction is refunded.)</p> <p>Shipped (transaction is confirmed) Successful</p> <p>System refund (Refunded by HDFC for various find of reversals by HDFC)</p> <p>Unsuccessful (transaction is not successful)</p>
order_status_date_time	This is the latest date and time when order status is modified.	DateTime in IST(yyyy-MM-dd HH:mm:ss.SSS) format.
order_TDS	Amount of TDS (tax deducted at source) for the Transaction.	Decimal(13,4).
reference_no	Unique HDFC reference no for the transaction.	Numeric(25).
error_desc	This Attribute contains the description of the failure request processing. When status is 1 then this attribute will generate the reason for failure.	Please refer below table for the failure message.
error_code	Error code for Failure reason.	String Please refer below table for failure message.

page_count	Total pages available based on <i>no_of_records</i> in the request	Numeric(25).
total_records	Total no.of orders matching the lookup criteria.	

Example XML Response

Success:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Invoice_List_Result error_desc="" error_code="" error_desc="">
<invoice_List>
<invoice
    invoice_Created_By="API"
    invoice_Id="xxxxxxxx"
    invoice_ref_no="xxxxxxxx"
    order_Amt="xx.xx"
    order_Bank_Mid="xxxxxxxx"
    order_Bank_Ref_No="xxxxxxxx"
    order_Bank_Response="xxxx xxxx"
    order_Bill_Address="xxxxx"
    order_Bill_City="xxxxxx"
    order_Bill_Country="xxxxxx"
    order_Bill_Email="xxxxx@xxxxx.com"
    order_Bill_Name="xxxxxx"
    order_Bill_State="xxxxxx"
    order_Bill_Tel="xxxxxxxxxxx"
    order_Bill_Zip="xxxxxx"
    order_Capt_Amt="xx.xx"
    order_Card_Name="xyz"
    order_Card_Type="abcd"
    order_Currency="xxx"
    order_Date_time="xxxx-xx-xx xx:xx:xx"
    order_Discount="x.x"
    order_Fee_Flat="x.x"
    order_Fee_Perc="xx.xx"
    order_Fraud_Status="xxx"
    order_Gross_Amt="x.xx"
    order_Gtw_Id="xxxxx"
    order_Ip="xxx.xxx.xxx.xxx"
    order_No="x"
    order_Ship_Address="xxxxxx xxxx"
    order_Ship_City="xxxxxxx"
    order_Ship_Country="xxxxxx"
    order_Ship_Name="xxxxx xxxx"
    order_Ship_State="xxx"
    order_Ship_Tel="xxxxxxxxxxx"
    order_Ship_Zip="xxxxxx"
    order_Status="xxxxxxxx"
    order_Status_Date_time="xxxx-xx-xx xx:xx:xx"
    order_Tax="xx.xxxx"
    order_Type="xx-xxx"/>
```

```
</invoice_List>
<page_count>1</page_count>
<total_records>1</total_records>
</Invoice_List_Result>
```

Failure:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Invoice_List_Result error_desc="Order List: Invalid Parameter" error_code="51308"/>
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example JSON Response**Success:**

```
{
  "invoice_List":[{
    "invoice_Id":5094273,
    "invoice_ref_no":"123456987",
    "invoice_Created_By":"API",
    "order_Currency":"INR",
    "order_Amt":0.0,
    "order_Gross_Amt":0.0,
    "order_Discount":0.0,
    "order_Capt_Amt":0.0,
    "order_Fee_Perc":0.0,
    "order_Fee_Perc_Value":0.0,
    "order_Fee_Flat":0.0,
    "order_Tax":0.0
  }],
  "page_count":1,
  "total_records":1,
  "error_desc": "",
  "error_code": ""
}
```

Failure:

```
{
  "error_desc": "Order List: Invalid Parameter",
  "error_code": "51308",
  "page_count":0,
  "total_records":0
}
```



Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

Example STRING Response

String Format:

page_count|total_records|Invoice_Id\$Invoice_ref_no\$Invoice_Created_By\$Order_No\$Order_Type\$Order_Currency\$Order_Amt\$Order_Date_time\$Order_Notes\$Order_Ip\$Order_Status\$\$Order_Bank_Response\$Order_Bank_Mid\$Order_Bank_Ref_No\$Order_Status_Date_Time\$Order_Fraud_Status\$Order_Card_Name\$Order_Card_Type\$Order_Gtw_Id\$Order_Gross_Amt\$Order_Discount\$Order_Capt_Amt\$Order_Fee_Flat\$Order_Fee_Perc\$Order_Tax\$Order_Delivery_Details\$Order_Bill_Name\$Order_Bill_Email\$Order_Bill_Tel\$Order_Bill_Address\$Order_Bill_City\$Order_Bill_State\$Order_Bill_Country\$Order_Bill_Zip\$Order_Ship_Name\$Order_Ship_Email\$Order_Ship_Tel\$Order_Ship_Address\$Order_Ship_City\$Order_Ship_State\$Order_Ship_Country\$Order_Ship_Zip^|

Success:

1|1|xxxxxxxxxxxxxxxx\$API\$xxxxxx\$xx-xxx\$xxxx\$xx.xx\$xxxx-xx-xx xx:xx:xx.xxx\$\$xxx.xxx.xxx.xxx\$xxxx\$xxx
xxx\$xxxxxxxx\$xxxxxx\$xxxx-xx-xx
xx:xx:xx.xxx\$xx\$xxxxxxxx\$xxxx\$xxxx\$xx.xx\$x.x\$x.xx\$x.x\$xx.x\$x.xxx\$xxxx\$xxxx@xxx.com\$xxxxxxxx\$xxx\$xx
xx\$xxxx\$xxxx\$xxxx\$xxxx xxx\$xxxxxx\$xxxxxx xxx\$xxxxxx\$xx\$xxxx\$xxxxxx|

Failure:

page_count|total_records|error_code|error_desc|

0|0|51308|Order List: Invalid Parameter|

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

16. Update Invoice Reference Number

Update Invoice reference Number API call is used to update Invoice reference number if the same was not provided at the time of invoice generation.

Request Parameters:

Name	Description	value
enc_request (required)	AES encrypted request data	
access_code (required)	Unique HDFC access code which is generated when merchant registered their IP address. You must send this with each request.	
request_type (required)	API requests are accepted in XML, JSON or String. Specify the request type.	Possible value for request_type is "XML" or "JSON" or "STRING".
response_type (optional)	API returns response in XML, JSON or String format. If left blank, the response will be in the same format as request.	Possible value for response_type is "XML" or "JSON" or "STRING".
Command (required)	Command value specifies the API calls. You must send this with each request.	Possible value for this API call is "updateBillMerchantReferenceNo"
bill_id (required)	Unique HDFC Bill id(invoice id) for the generated invoice.	Numeric value(25)
merchant_ref_no (required)	Unique reference no shared by merchant to update against HDFC bill id(invoice id).	Alphanumeric with special characters(hyphen and underscore)(25).

Request format:**XML Format:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Update_Bill_Merchant_Reference_No_Query>
  <bill_id>1234566</bill_id>
  <mer_reference_no>12354</mer_reference_no>
</Update_Bill_Merchant_Reference_No_Query>
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

JSON Format:

```
{
  "bill_id":"123456",
  "mer_reference_no":"123654"
}
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

String Format:

Format: Bill_id|merchant_reference_no|

Example: 123456|123654|

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Response Parameters

Name	Description	Note
status	This states whether the call was successful or not. If value of this parameter is "1" then you need not decrypt the enc_response as it will contain plain error message.	Value "0" denotes that the API call was successful. Value "1" denotes API call failure. On enc_response is plain text representing the error message.
enc_response	AES encrypted response containing format as per <i>response_type</i>	
error_desc	Failure reason if update merchant reference number is not going to be updated successfully for the generated invoice.	Please refer below table for the failure message.
error_code	Error code for Failure reason.	String Please refer below table for failure message.
update_status	Merchant update status specifies the status of update merchant reference number.	Numeric(1) "0" means update merchant reference number was successful. "1" means merchant reference number was not successfully updated.

Response Format:**XML Format:****Success:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Update_Merch_Ref_No_Result update_status="0" error_code="" error_desc="" />
```

Failure:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Update_Merch_Ref_No_Result update_status="1" error_desc="Bill Merchant Reference No: Invalid
Parameter"
error_code="51320"/>
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

JSON Format:**Success:**

```
{
  "update_status":0,
  "error_desc":,
  "error_code":
}
```

Failure:

```
{
  "error_desc":"bill_id: Invalid Parameter",
  "update_status":1,
  "error_code":"51319"
}
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

String Format:

Success Format: update_status|

Example: 0|



Failure Format: update_status|error_code|error_desc|

Example: 1|51320|Bill Merchant Reference No: Invalid Parameter|

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

17. Update Merchant Params

Update Merchant params API is used to add some extra parameter against Reference no if the same could not be done at the time of the transaction.

Request Parameters:

Name	Description	value
enc_request (required)	AES encrypted request data	
access_code (required)	Unique HDFC access code which is generated when merchant registered their IP address. You must send this with each request.	
request_type (required)	API requests are accepted in XML, JSON or String. Specify the request type.	Possible value for request_type is "XML" or "JSON" or "STRING".
response_type (optional)	API returns XML, JSON or String responses. If left blank, the response will be in the same format as request.	Possible value for response_type is "XML" or "JSON" or "STRING".
command (required)	Command value specifies the API Calls. You must send this with each request.	Possible value for this API call is "updateMerchantParams"
reference_no (required)	Unique HDFC reference number for the transaction.	Numeric(25)
param_value (required)	Merchant can update one param value against unique reference no after placing order.	Alphanumeric with special characters(comma, hyphen, backslash and dot)(100)
param_value1 (optional)	Merchant can update one param value against unique reference no after placing order.	Alphanumeric with special characters(comma, hyphen, backslash and dot)(100)
param_value2 (optional)	Merchant can update one param value against unique reference no after placing order.	Alphanumeric with special characters(comma, hyphen, backslash and dot)(100)
param_value3 (optional)	Merchant can update one param value against unique reference no after placing order.	Alphanumeric with special characters(comma, hyphen, backslash and dot)(100).
param_value4 (optional)	Merchant can update one param value against unique reference no after placing order.	Alphanumeric with special characters(comma, hyphen, backslash and dot)(100)

Request format:**XML Format:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Update_Merchant_Params_Query>
  <reference_no>203000093626</reference_no>
  <param_value>10</param_value>
  <param_value1>11</param_value1>
  <param_value2>22</param_value2>
  <param_value3>33</param_value3>
  <param_value4>44</param_value4>
</Update_Merchant_Params_Query>
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

JSON Format:

```
{
  "reference_no": "123654",
  "param_value": "10",
  "param_value1": "11",
  "param_value2": "22",
  "param_value3": "33",
  "param_value4": "44"
}
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

String Format:

Format: Reference_no|Param_value1|Param_value2|Param_value3|Param_value4|Param_value5|

Example: 123456|10|11|22|33|44|

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

Response Parameters

Name	Description	Note
status	This states whether the call was successful or not. If value of this parameter is "1" then you need not decrypt the enc_response as it will contain plain error message.	Value "0" denotes that the API call was successful. Value "1" denotes API call failure. On enc_response is plain text representing the error message.
enc_response	AES encrypted response containing format as per <i>response_type</i>	
error_desc	Failure reason if API call does not update/add param value.	Please refer below table for failure message.
error_code	Error code for Failure reason.	String Please refer below table for failure message.
update_status	Update status contains merchant parameter if add/update was successful or not.	"0" means update merchant parameter value was successful. "1" means update merchant param value was not successful.

Response Format:**XML Format:****Success:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Update_Merchant_Param_Result update_status="0" error_code="" error_desc=""/>
```

Failure:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Update_Merchant_Param_Result error_desc="Reference number: Invalid Parameter"
update_status="1" error_code="51322"/>
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

JSON Format:**Success:**

```
{
  "update_status":0,
  "error_desc": "",
  "error_code": ""
}
```

Failure:

```
{
  "error_desc": "Reference number: Invalid Parameter",
  "error_code": "51322",
  "update_status": 1
}
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

String Format:

Success Format: update_status|

Example: 0|



Failure Format: update_status|error_code|error_desc|

Example: 1|51322|Reference number: Invalid Parameter|

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

18. Update Billing Details

Update billing details API call is used to update customer billing information against an order.

Request Parameters:

Name	Description	value
enc_request (required)	AES encrypted request data	
access_code (required)	Unique HDFC access code which is generated when merchant registered their IP address. You must send this with each request.	
request_type (required)	API requests are accepted in XML, JSON or String. Specify the request type.	Possible value for request_type is "XML" or "JSON" or "STRING".
response_type (optional)	API returns XML, JSON or String responses. If left blank, the response will be in the same format as request.	Possible value for response_type is "XML" or "JSON" or "STRING".
command (required)	Command value specifies the API Calls. You must send this with each request.	Possible value for this API call is "updateBillingDetails"
reference_no (required)	Unique HDFC reference no for the transaction.	Numeric value(25).
bill_name (required)	Billing name for the order	Alphanumeric with special characters (space, hyphen, apostrophe, underscore, dot)(60).
bill_email (required)	Billing email id for order	Alphanumeric with special characters (hyphen, underscore, dot, @)(70).
bill_address (required) <i>421=Unsupported version for the API call.</i>	Billing address for order	Alphanumeric with special characters (space, hyphen, comma, ampersand(&), hash(#), circular brackets and dot)(315)
bill_city (required)	Billing city for order	Alphanumeric with special characters (space, comma, hyphen and dot)(30).
bill_state (required)	Billing state for order	Alphanumeric with special characters (hyphen, dot and space)(30).
bill_country (required)	Billing country for order	Alphanumeric with special characters (space)(30).
bill_zip (required)	Billing zip for order	AlphaNumeric with special characters(hyphen and space)

Request format:**XML Format:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Update_Billing_Details_Query>
  <reference_no>123456</reference_no>
  <bill_name>bill name</bill_name>
  <bill_email>szgfs.sdgf@sfdg.com</bill_email>
  <bill_address>santacruz(west)</bill_address>
  <bill_city>mumbai</bill_city>
  <bill_state>maharashtra</bill_state>
  <bill_country>india</bill_country>
  <bill_zip>400000</bill_zip>
</Update_Billing_Details_Query>
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

JSON Format:

```
{
  "reference_no": "123456",
  "bill_name": "bill name",
  "bill_email": "szgfs.sdgf@sfdg.com",
  "bill_address": "santacruz(west)",
  "bill_city": "mumbai",
  "bill_state": "maharashtra",
  "bill_country": "india",
  "bill_zip": "400000"
}
```

Note: You will have to encrypt the above request and store in the “enc_request” parameter before sending it to HDFC. Kindly refer to the encryption section.

String Format:

Format: Reference No|Billing Name|Bill Email ID|Bill Address|Bill City|Bill State|Bill Country|Bill Zip|

Example: 123456|bill name|xxx@xxx.com|santacruz(west)|mumbai|maharashtra|india|400054|

Note: You will have to encrypt the above request and store in the “enc_request” parameter before

sending it to HDFC. Kindly refer to the encryption section.

Response Parameters

Name	Description	Note
status421=Unsupported version for the API call.	This states whether the call was successful or not. If value of this parameter is "1" then you need not decrypt the enc_response as it will contain plain error message.	Value "0" denotes that the API call was successful. Value "1" denotes API call failure. On enc_response is plain text represents the error message.
enc_response	AES encrypted response containing format as per <i>response_type</i>	
error_desc	Failure reason if billing details are not updated successfully.	String Please refer below table for failure message.
error_code	Error code for Failure reason.	String Please refer below table for failure message.
update_status	Update_status denotes whether Billing information have been updated successfully or not.	"0" means update billing details was successful. "1" means billing details are not successfully updated.

Response Format:**XML Format:****Success:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Update_Param_Result update_status="0" error_desc="" error_code=""/>
```

Failure:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Update_Bill_Details_Result update_status="1" error_desc="Reference number: Invalid Parameter"
error_code="51316"/>
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

JSON Format:**Success:**

```
{
  "update_status":0,
  "error_desc": "",
  "error_code": ""
}
```

Failure:

```
{
  "error_desc": "Reference number: Invalid Parameter",
  "update_status":1,
  "error_code": "51316"
}
```

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.

String Format:

Success Format: update_status|

Example: 0|

Failure Format: update_status|error_code|error_desc|

Example: 1|51316|Reference number: Invalid Parameter|

Note: You will have to decrypt the above response from “enc_response” parameter. Kindly refer to the decryption section.421=Unsupported version for the API call.



Note: - Error Message when API status is "1".

Error_code	Short Description	Long Description	Message
51401	Missing Parameter	Request_type: Required Parameter is Missing	"Ensure that request_type parameter is not blank."
51402	Missing Parameter	Command: Required parameter missing	"Ensure that Command parameter is not blank."
51403	Missing Parameter	Access_code: Required Parameter is Missing	"Ensure that access_code parameter is not blank."
51404	Invalid Parameter	Request Type: Invalid Parameter	"Ensure that Request Type parameter value is only XML/JSON/STRING."
51405	Invalid Parameter	Response Type: Invalid Parameter	"Ensure that Response Type parameter value is only XML/JSON/STRING."
51407	Invalid Parameter	Access_code: Invalid Parameter	"You are not allowed to perform this operation."
51408	Missing Parameter	Enc_request: Required parameter missing	"Ensure that enc_request parameter is not blank."
51410	Invalid Parameter	Command: Invalid Parameter	"Ensure that the command name is not invalid. Please refer API document for valid command."
51411	Invalid Parameter	JSON request format: Invalid Parameter format	"Ensure that the JSON request format is not invalid. Please refer API document for the API call."
51412	Invalid Parameter	XML request format: Invalid Parameter format	"Ensure that XML request format is not invalid. Please refer API document for the API call."
51413	Invalid Parameter	STRING request format: Invalid Parameter format	"Ensure that STRING request format is not invalid. Please refer API document for the API call."



51419	Invalid Parameters	Enc_request: No record found for given criteria.	"No records were found for given search criteria."
51420	Invalid Parameters	Enc_request : Unable to process request	"Unable to process your request for the API call."
51421	Invalid Parameter	API version: Invalid Parameter	"Please use only supported version for the API call."
-1	Invalid Parameter	Enc_request: Invalid Request	"Ensure that Request parameter is not invalid."



Note: Failure Reason for API call

Error_code	Short Description	Long Description	Reason / Error_desc	Applicable to
51001	Missing Parameter	Reference Number: Required parameter missing	“Ensure that the Reference Number parameter is not blank.”	Confirm, Cancel, Refund, Status, UpdateBillingDetails, UpdateMerchantParams, InvoiceLookUp,
51002	Invalid Parameter	Reference Number: Invalid Parameter	“Ensure that the Reference Number parameter is numeric.”	Confirm, Cancel, Refund, Status, OrderLookUp, UpdateBillingDetails, UpdateMerchantParams, InvoiceLookUp, GetPendingOrders
51003	Invalid Parameter	Reference Number: Invalid Parameter	“Ensure that the Reference Number parameter does not exceed 25 characters.”	Confirm, Cancel, Refund, Status, OrderLookUp, UpdateBillingDetails, UpdateMerchantParams, InvoiceLookUp, GetPendingOrders
51004	Invalid Parameter	Reference number/Order number: Invalid Parameter	“Ensure that reference number/order number is provided.”	Status
51006	Missing Parameter	Start/From Date: Required parameter missing	“Ensure that start/from date is provided.”	OrderLookUp
51007	Invalid Parameter	Start/From Date: Invalid Parameter	“Ensure that Start/From date is in <u>dd-mm-yyyy</u> format.”	OrderLookUp
51008	Invalid Parameter	End/To Date: Invalid Parameter	“Ensure that End/To date is in <u>dd-mm-yyyy</u> format.”	OrderLookUp
51009	Missing Parameter	Mobile number: Required parameter missing	“Ensure that Mobile Number parameter is not blank.”	GenerateQuickInvoice, GenerateRecurringInvoice, GenerateInvoice, Order Lookup

51010	Invalid Parameter	Mobile number: Invalid Parameter	"Ensure that Mobile number parameter contains 10 digits."	InvoiceLookup, GenerateQuickInvoice, GenerateRecurringInvoice, GenerateInvoice, GetPendingOrders, OrderLookup
51011	Missing Parameter	Email id: Required parameter missing	"Ensure that Email id is provided."	GenerateQuickInvoice, GenerateRecurringInvoice
51012	Invalid Parameter	Email id: Invalid Parameter	"Ensure that only letters, numbers, hyphen, dot, one @ and underscore are provided for Email id parameter."	InvoiceLookup, GenerateQuickInvoice, GenerateRecurringInvoice, GetPendingOrders, Order Lookup
51013	Invalid Parameter	Email id: Invalid Parameter	"Ensure that Email id parameter does not exceed 70 characters."	InvoiceLookup, GenerateQuickInvoice, GenerateRecurringInvoice, GetPendingOrders
51014	Missing Parameter	Amount: Required parameter missing	"Ensure that Amount parameter is not blank."	GenerateQuickInvoice, GenerateRecurringInvoice, GenerateInvoice, Refund Order
51015	Invalid Parameter	Amount: Invalid Parameter	"Ensure that the Amount parameter is in Decimal."	Confirm, Cancel, Refund, OrderLookup, InvoiceLookup,
51017	Invalid Parameter	Order Number: Invalid Parameter	"Ensure only letters, numbers, hyphen and underscore are provided for Order Number parameter."	Status, GetPendingOrders, OrderLookup
51018	Invalid Parameter	Order Number: Invalid Parameter	"Ensure that Order Number parameter does not exceed 30 characters."	Status, GetPendingOrders, OrderLookup
51020	Invalid Parameter	Minimum amount: Invalid Parameter	"Ensure that Minimum amount parameter has Decimal value."	Order Lookup



51022	Invalid Parameter	Maximum amount: Invalid Parameter	"Ensure that Maximum amount parameter has Decimal value."	Order Lookup
51023	Missing Parameters	Page Number: Required Parameter missing	"Ensure that Page Number parameter is not blank."	Order Lookup
51024	Invalid Parameter	Page Number: Invalid Parameter	"Ensure that Page Number parameter is greater than zero."	Order Lookup
51026	Invalid Parameter	Invoice id: Invalid Parameter	"Ensure that invoice id parameter is numeric."	Invoice Lookup
51027	Invalid Parameter	Invoice id: Invalid Parameter	"Ensure that invoice id parameter does not exceed 30 characters."	Invoice Lookup
51028	Invalid Parameter	Invoice Number: Invalid Parameter	"Ensure that only letters, number hyphen and underscore are provided for invoice Number parameter."	Order Lookup
51029	Invalid Parameter	Invoice Number: Invalid Parameter	"Ensure that Invoice number parameter does not exceed 30 characters."	Invoice Lookup
51031	Invalid Parameter	Invoice type: Invalid Parameter	"Ensure that values for invoice type parameter are TASK/ITEM."	InvoiceLookUp,
51032	Missing Parameter	Currency: Required parameter missing	"Ensure that Currency parameter is not blank."	GenerateQuickInvoice, GenerateRecurringInvoice, GenerateInvoice
51033	Invalid Parameter	Currency: Invalid Parameter	"Ensure that Currency is assigned to the merchant."	GenerateQuickInvoice, GenerateRecurringInvoice, GenerateInvoice
51034	Missing Parameter	Valid for: Required parameter missing	"Ensure that 'valid for' parameter is not blank."	GenerateQuickInvoice, GenerateRecurringInvoice,

				GenerateInvoice
51035	Invalid Parameter	Valid for: Invalid Parameter	"Ensure that 'valid for' parameter is Numeric."	GenerateQuickInvoice, GenerateRecurringInvoice, GenerateInvoice
51036	Invalid Parameter	Valid for: Invalid Parameter	"Ensure that 'valid for' parameter does not exceed 4 digits."	GenerateQuickInvoice, GenerateRecurringInvoice, GenerateInvoice
51037	Missing Parameter	Valid type: Required parameter missing	"Ensure that valid type parameter value is not blank."	GenerateQuickInvoice, GenerateRecurringInvoice, GenerateInvoice
51038	Invalid Parameter	Valid type: Invalid Parameter	"Ensure that values for valid type parameter are days/hours/minutes."	GenerateQuickInvoice, GenerateRecurringInvoice, GenerateInvoice
51039	Missing Parameter	Bill delivery type: Required parameter missing	"Ensure that bill delivery Type parameter is not blank."	GenerateQuickInvoice
51040	Invalid Parameter	Bill delivery type: Invalid Parameter	"Ensure that value for bill delivery type parameter is SMS/EMAIL."	GenerateQuickInvoice
51041	Missing Parameter	Name: Required parameter missing	"Ensure that Name parameter is not blank."	UpdateBillingDetails, GenerateQuickInvoice, GenerateRecurringInvoice
51042	Invalid Parameter	Name: Invalid Parameter	"Ensure that only letters, space, dot, underscore, hyphen and single apostrophe are provided for Name parameter."	UpdateBillingDetails, GenerateQuickInvoice, GenerateRecurringInvoice, PendingOrder
51043	Invalid Parameter	Name: Invalid Parameter	"Ensure that Name parameter does not exceed 60 characters."	UpdateBillingDetails, GenerateQuickInvoice, GenerateRecurringInvoice, PendingOrder



51044	Missing Parameter	Address: Required parameter missing	"Ensure that Address parameter is not blank."	UpdateBillingDetails
51045	Invalid Parameter	Address: Invalid Parameter	"Ensure only letters, numbers, space, hyphen, comma, ampersand, hash, circular brackets and dot are provided for Address parameter."	UpdateBillingDetails
51046	Invalid Parameter	Address: Invalid Parameter	"Ensure that Address parameter does not exceed 315 characters."	UpdateBillingDetails
51047	Missing Parameter	City: Required parameter missing	"Ensure that City parameter is not blank."	Missing Mer_charge_reference_number, UpdateBillingDetails
51048	Invalid Parameter	City: Invalid Parameter	"Ensure that only numbers, letters, space, comma, hyphen and dot are provided for City parameter."	UpdateBillingDetails
51049	Invalid Parameter	City: Invalid Parameter	"Ensure that City parameter does not exceed 30 characters."	UpdateBillingDetails
51050	Missing Parameter	Zip/PIN code: Required parameter missing	"Ensure that Zip/PIN code parameter is not blank."	UpdateBillingDetails
51051	Invalid Parameter	Zip/PIN code: Invalid Parameter	"Ensure that only letters, numbers, hyphen and space are provided for Zip/PIN code parameter."	UpdateBillingDetails
51052	Invalid Parameter	Zip/PIN code: Invalid Parameter	"Ensure that Zip/PIN code parameter does not exceed 15 characters."	UpdateBillingDetails
51053	Missing Parameter	State: Required parameter missing	"Ensure that State parameter is not blank."	UpdateBillingDetails
51054	Invalid Parameter	State: Invalid Parameter	"Ensure that only letters, hyphen, dot and space are provided for State"	UpdateBillingDetails

			parameter.”	
51055	Invalid Parameter	State: Invalid Parameter	“Ensure that State parameter does not exceed 30 characters.”	UpdateBillingDetails
51056	Missing Parameter	Country : Required parameter missing	“Ensure that Country Code parameter is not blank.”	UpdateBillingDetails
51057	Invalid Parameter	Country: Invalid Parameter	“Ensure that only letters and space are allowed for Country Code parameter.”	UpdateBillingDetails
51058	Invalid Parameter	Country: Invalid Parameter	“Ensure that Country Code parameter does not exceed 30 characters.”	UpdateBillingDetails
51059	Missing Parameter	Customer id: Required parameter missing	“Ensure that Customer id parameter is not blank.”	GetCustomerPaymentOptions, DeleteCustomerPaymentOption, DeleteCustomer, Customer payment option, Add customer payment option
51060	Invalid Parameter	Customer id: Invalid Parameter	“Ensure that only letters and number are provided for Customer id parameter.”	GetCustomerPaymentOptions, Add customer payment option, DeleteCustomerPaymentOption, DeleteCustomer
51061	Invalid Parameter	Customer id: Invalid Parameter	“Ensure that Customer id parameter does not exceed 25 digits.”	GetCustomerPaymentOptions, DeleteCustomerPaymentOption, DeleteCustomer, Customer payment option, Add customer payment option
51062	Missing Parameter	Customer card id: Required parameter missing	“Ensure that Customer card id is not blank.”	DeleteCustomerPaymentOption
51063	Invalid Parameter	Customer card id: Invalid Parameter	“Ensure that only numbers are provided for Customer card id	DeleteCustomerPaymentOption



			parameter.”	
51064	Invalid Parameter	Customer card id: Invalid Parameter	“Ensure that Customer card id parameter does not exceed 25 characters.”	DeleteCustomerPaymentOption
51065	Missing Parameter	Parameter value: Required parameter missing	“Ensure that Merchant Params value is not blank.”	UpdateMerchantParams
51066	Invalid Parameter	Parameter value: Invalid Parameter	“Ensure that Alphanumeric, comma, hyphen, backslash and dot are provided for parameters Value.”	UpdateMerchantParams
51067	Invalid Parameter	Parameter value: Invalid Parameter	“Ensure that Parameter value does not exceed 100 characters.”	UpdateMerchantParams
51068	Missing Parameter	Bill id: Required parameter missing	“Ensure that Bill id parameter is not blank.”	UpdateInvoiceReferenceNumber, UpdateMerchantReferenceNumber
51069	Invalid Parameter	Bill id: Invalid Parameter	“Ensure that Bill id parameter is a numeric value greater than zero.”	UpdateInvoiceReferenceNumber, InvoiceLookUp, UpdateMerchantReferenceNumber
51070	Invalid Parameter	Bill id: Invalid Parameter	“Ensure that Bill id parameter does not exceed 25 characters.”	UpdateInvoiceReferenceNumber, InvoiceLookUp
51071	Missing Parameter	Merchant reference number: Required parameter missing	“Ensure that merchant Reference Number is not blank.”	UpdateInvoiceReferenceNumber,
51072	Invalid Parameter	Merchant reference number: Invalid Parameter	“Ensure that only letters, numbers, hyphen and underscore are provided for merchant Reference number parameter.”	UpdateInvoiceReferenceNumber, GenerateRecurringInvoice, GenerateInvoice
51073	Invalid Parameter	Merchant reference number: Invalid Parameter	“Ensure that Merchant reference number parameter does not exceed	UpdateInvoiceReferenceNumber, GenerateRecurringInvoice,



			25 characters.”	GenerateInvoice
51074	Missing Parameter	SMS Content: Required parameter missing	“Ensure that SMS Content parameter is not blank.”	GenerateRecurringInvoice, GenerateInvoice
51075	Missing Parameter	SMS Content: Required parameter missing	“Ensure that 'Basic place holders in SMS Content' parameter is not blank.”	GenerateRecurringInvoice, GenerateInvoice
51076	Invalid Parameter	SMS Content: Invalid Parameter	“Ensure that SMS content parameter does not exceed 500 Characters.”	GenerateRecurringInvoice, GenerateInvoice
51077	Missing Parameter	Email subject: Required parameter missing	“Ensure that Email Subject parameter is not blank.”	GenerateQuickInvoice, GenerateRecurringInvoice, GenerateInvoice
51078	Invalid Parameter	Email subject: Invalid Parameter	“Ensure that Email subject parameter contains only letters, numbers, hyphens, dot, space and underscores.”	GenerateQuickInvoice, GenerateRecurringInvoice, GenerateInvoice
51079	Invalid Parameter	Email subject: Invalid Parameter	“Ensure that Email subject parameter does not exceed 100 characters.”	GenerateQuickInvoice, GenerateRecurringInvoice, GenerateInvoice
51080	Invalid Parameter	Email Description: Invalid Parameter	“Ensure that Email Description parameter contains only letters, numbers, hyphen, dot, circular brackets, space, comma, underscore, hash and ampersand.”	GenerateRecurringInvoice, GenerateInvoice
51081	Invalid Parameter	Email Description: Invalid Parameter	"Ensure that Email Description parameter does not exceed 100 characters."	Generate QuickInvoice
51082	Invalid Parameter	File List: Invalid Parameter	“Ensure that only one file is attached in quick invoice.”	GenerateQuickInvoice



51083	Invalid Parameter	File List: Invalid Parameter	"Ensure that Attached File extension is (doc, jpg, jpeg, docx, pdf, png)."	GenerateQuickInvoice
51084	Invalid Parameter	File List: Invalid Parameter	"Ensure that File size does not exceed 1MB."	GenerateQuickInvoice
51085	Missing Parameter	Refund Reference Number: Required parameter missing	"Ensure that 'refund reference no' parameter is not blank."	Refund
51086	Invalid Parameter	Refund Reference Number: Invalid Parameter	"Ensure that Only letters and numbers are provided for refund Reference Number parameter."	Refund
51087	Invalid Parameter	Refund reference number: Invalid Parameter	"Ensure that Refund reference number parameter does not exceed 100 characters."	Refund orders
51088	Missing Parameter	Frequency: Required parameter missing	"Ensure that Frequency parameter is not blank."	GenerateRecurringInvoice
51089	Invalid Parameter	Frequency : Invalid Parameter	"Ensure that values for frequency parameter are only Daily/Monthly/Quarterly/Yearly."	GenerateRecurringInvoice
51118	Missing Parameter	Occurrences: Required parameter missing	"Ensure that Occurrences parameter is not blank."	GenerateRecurringInvoice
51119	Invalid Parameter	Occurrences: Invalid Parameter	"Ensure that Occurrences parameter is Numeric."	GenerateRecurringInvoice
51120	Invalid Parameter	Occurrences: Invalid Parameter	"Ensure that Occurrences parameter does not exceed 3 digits."	GenerateRecurringInvoice
51121	Invalid Parameter	Occurrences: Invalid Parameter	"Adding occurrences is only applicable for recurring invoice."	GenerateRecurringInvoice
51122	Missing Parameter	Task name: Required parameter missing	"Ensure that task name parameter is not blank."	GenerateRecurringInvoice, GenerateInvoice

51123	Invalid Parameter	Task name: Invalid Parameter	"Ensure that only letters, space, underscore and hyphen are provided for task name parameter."	GenerateRecurringInvoice, GenerateInvoice
51124	Invalid Parameter	Task name: Invalid Parameter	"Ensure that Task name parameter does not exceed 30 Characters."	GenerateRecurringInvoice, GenerateInvoice
51125	Missing Parameter	Task Note: Required parameter missing	"Ensure that Task Note parameter is not blank."	Generate Invoice
51126	Invalid Parameter	Task note: Invalid Parameter	"Ensure that Task note parameter contains only letters, numbers, hyphen, dot, circular brackets, space, comma, underscore, hash and ampersand."	GenerateRecurringInvoice, GenerateInvoice
51127	Invalid Parameter	Task Note: Invalid Parameter	"Ensure that Task Note parameter does not exceed 60 characters."	Generate Invoice
51128	Missing Parameter	Task rate: Required parameter missing	"Ensure that task rate parameter is not blank."	GenerateRecurringInvoice, GenerateInvoice
51129	Invalid Parameter	Task rate: Invalid Parameter	"Ensure that task rate parameter is decimal."	GenerateRecurringInvoice, GenerateInvoice
51130	Missing Parameter	Task hour: Required parameter missing	"Ensure that task hour parameter is not blank."	GenerateRecurringInvoice, GenerateInvoice
51131	Invalid Parameter	Task hour: Invalid Parameter	"Ensure that task hour parameter is numeric."	GenerateRecurringInvoice, GenerateInvoice
51132	Invalid Parameter	Task hour: Invalid Parameter	"Ensure that task hour value does not exceed 4 digits."	GenerateRecurringInvoice, GenerateInvoice
51133	Missing Parameter	Item name: Required parameter missing	"Ensure that item name parameter is not blank."	GenerateRecurringInvoice, GenerateInvoice
51134	Invalid Parameter	Item name: Invalid Parameter	"Ensure that only letters, space, underscore and hyphen are	GenerateRecurringInvoice, GenerateInvoice

			provided for item name parameter.”	
51135	Invalid Parameter	Item name: Invalid Parameter	“Ensure that Item name parameter does not exceed 30 characters.”	GenerateRecurringInvoice, GenerateInvoice
51136	Missing Parameter	Item description: Required parameter missing	“Ensure that item description parameter is not blank.”	GenerateRecurringInvoice, GenerateInvoice
51137	Invalid Parameter	Item description: Invalid Parameter	“Ensure that Item description parameter contains only letters, numbers, hyphen, dot, circular brackets, space, comma, underscore, hash and ampersand.”	GenerateRecurringInvoice, GenerateInvoice
51138	Invalid Parameter	Item description: Invalid Parameter	“Ensure that Item description parameter does not exceed 60 characters.”	GenerateRecurringInvoice, GenerateInvoice
51139	Missing Parameter	Item Quantity: Required parameter missing	“Ensure that the item quantity parameter is not blank.”	GenerateRecurringInvoice, GenerateInvoice
51140	Invalid Parameter	Item Quantity: Invalid Parameter	“Ensure that the Item Quantity parameter is numeric.”	GenerateRecurringInvoice, GenerateInvoice
51141	Invalid Parameter	Item Quantity: Invalid Parameter	“Ensure that the Item Quantity parameter does not exceed 3 digits.”	GenerateRecurringInvoice, GenerateInvoice
51142	Missing Parameter	Unit cost: Required parameter missing	“Ensure that unit cost of item is not blank.”	GenerateRecurringInvoice, GenerateInvoice
51143	Invalid Parameter	Unit cost: Invalid Parameter	“Ensure that the Unit cost of item parameter is a Decimal Number.”	GenerateRecurringInvoice, GenerateInvoice
51144	Invalid Parameter	Terms and Conditions: Invalid Parameter	“Ensure that Only letters, numbers, hyphen, dot, circular brackets and ampersand are provided for Terms and Condition parameter.”	GenerateRecurringInvoice, GenerateInvoice
51145	Invalid Parameter	Terms and Conditions: Invalid	“Ensure that Terms and Conditions	GenerateRecurringInvoice,



		Parameter	parameter does not exceed 500 characters."	GenerateInvoice
51146	Invalid Parameter	Due date: Invalid Parameter	"Ensure that Due date parameter is Numeric."	GenerateRecurringInvoice, GenerateInvoice
51147	Invalid Parameter	Due date: Invalid Parameter	"Ensure that Due date parameter does not exceed 3 digits"	GenerateRecurringInvoice, GenerateInvoice
51148	Invalid Parameter	Due Date: Invalid Parameter	"Ensure that due date parameter is provided when late payment fees is present."	GenerateRecurringInvoice, GenerateInvoice
51149	Invalid Parameter	Late payment fees: Invalid Parameter	"Ensure that late payment fees parameter is provided when due date is present."	GenerateRecurringInvoice, GenerateInvoice
51150	Invalid Parameter	Discount_if_paid_within_due_date: Invalid Parameter	"Ensure that value for discount_if_paid_within_due_date parameter is not greater than due date."	GenerateRecurringInvoice, GenerateInvoice
51151	Missing Parameter	Discount Type: Required parameter missing	"Ensure that discount type parameter is provided when discount value is present."	GenerateRecurringInvoice, GenerateInvoice
51152	Missing Parameter	Discount value: Required parameter missing	"Ensure that discount value parameter is provided when discount type is present."	GenerateRecurringInvoice, GenerateInvoice
51153	Missing Parameter	Late payment fees type: Required parameter missing	"Ensure that late payment fees type parameter is provided when late payment fees is present."	GenerateRecurringInvoice, GenerateInvoice
51154	Missing Parameter	Late payment fees: Required parameter missing	"Ensure that late payment fees parameter is provided when late payment fees type is present."	GenerateRecurringInvoice, GenerateInvoice



51155	Invalid Parameter	Discount value: Invalid Parameter	"Ensure that Discount value parameter ranges are: For percentage (1.00 -99.99) For flat (1.00-99999.99)"	GenerateRecurringInvoice, GenerateInvoice
51156	Invalid Parameter	Late payment fees: Invalid Parameter	"Ensure that Late payment fees parameter ranges are: For percentage (1.00 -99.99) For flat (1.00-99999.99)"	GenerateRecurringInvoice, GenerateInvoice
51157	Invalid Parameter	Tax List:Invalid Parameter	"Ensure that there are not more than two taxes for one task."	GenerateRecurringInvoice, GenerateInvoice
51158	Invalid Parameter	Item/Task List: Invalid Parameter	"Ensure that at least one task/item is added."	GenerateRecurringInvoice, GenerateInvoice
51159	Invalid Parameter	Task List: Invalid Parameter	"Ensure that the same task is not added twice."	GenerateRecurringInvoice, GenerateInvoice
51160	Invalid Parameter	Item List: Invalid Parameter	"Ensure that the same item is not added twice."	GenerateRecurringInvoice, GenerateInvoice
51161	Invalid Parameter	Discount value: Invalid Parameter	"Ensure that the Discount value parameter is Decimal."	GenerateRecurringInvoice, GenerateInvoice
51162	Invalid Parameter	Late payment fees: Invalid Parameter	"Ensure that Late payment fees parameter is Decimal."	GenerateRecurringInvoice, GenerateInvoice
51163	Invalid Parameter	Discount type: Invalid Parameter	"Ensure that values for Discount type parameter are <u>Perc/Flat</u> ."	GenerateRecurringInvoice, GenerateInvoice
51164	Invalid Parameter	Late payment fees type: Invalid Parameter	"Ensure that values for Late payment fees type parameter are <u>Perc/Flat</u> ."	GenerateRecurringInvoice, GenerateInvoice
51165	Invalid Parameter	Discount if paid within due date: Invalid Parameter	"Ensure that Discount if paid within due date parameter is Numeric."	GenerateRecurringInvoice, GenerateInvoice
51166	Invalid Parameter	Discount if paid within due date:	"Ensure that Discount if paid within	GenerateRecurringInvoice,



		Invalid Parameter	due date parameter does not exceed 3 digits."	GenerateInvoice
51167	Invalid Parameter	Tax List: Invalid Parameter	"Ensure that the same tax is not added twice for the same task/item."	GenerateRecurringInvoice, GenerateInvoice
51168	Invalid Parameter	Tax List: Invalid Parameter	"Ensure that there are not more than two taxes applicable for one item."	Generate Invoice
51169	Invalid Parameter	Due Date: Invalid Parameter	"Ensure that Due date cannot be greater than valid for parameter."	Generate Recurring Invoice
51205	Invalid Parameter	Order List: Invalid Parameter	"Please provide at least one order list."	Confirm, Cancel,
51206	Invalid Parameter	Order List: Invalid Parameter	"Ensure that Reference Number parameter is not repeated."	Confirm, Cancel,
51207	Invalid Parameter	Start Date: Invalid Parameter	"Ensure that Start date is greater than or equal to current date."	GenerateRecurringInvoice
51208	Invalid Parameter	Start Date: Invalid Parameter	"Adding start date is only applicable for recurring invoice."	GenerateRecurringInvoice
51209	Invalid Parameter	Frequency: Invalid Parameter	"Adding frequency is only applicable for recurring invoice."	GenerateRecurringInvoice, GenerateInvoice
51210	Invalid Parameters	Invoice Setting : Invalid Parameter	"Ensure that the Advance Settings option is enabled under Invoice Settings."	GenerateRecurringInvoice, GenerateInvoice
51211	Invalid Parameters	Invoice Setting : Invalid Parameter	"Ensure that SMS content is provided if the same is enabled under Invoice Settings."	GenerateRecurringInvoice, GenerateInvoice
51212	Invalid Parameters	Invoice Setting : Invalid Parameter	"Ensure that the Adding Task option is enabled under Invoice Settings."	GenerateRecurringInvoice, GenerateInvoice



51213	Invalid Parameters	Invoice Setting : Invalid Parameter	"Ensure that the Adding Item option is enabled under Invoice Settings."	GenerateRecurringInvoice, GenerateInvoice
51214	Invalid Parameters	Invoice Setting : Invalid Parameter	"Ensure that the Changing Invoice Validity option is enabled under Invoice Settings."	GenerateRecurringInvoice, GenerateInvoice
51215	Invalid Parameters	Invoice Setting : Invalid Parameter	"Ensure that Changing pre-populated values for item: {e.g. abc} with unit cost {e.g. 1.23} is enabled under Invoice Settings."	GenerateRecurringInvoice, GenerateInvoice
51216	Invalid Parameters	Invoice Setting : Invalid Parameter	"Ensure that Changing pre-populated values for task {e.g. def} with unit rate {e.g. 1.00} is enabled under Invoice Settings."	GenerateRecurringInvoice, GenerateInvoice
51217	Invalid Parameters	Invoice Setting : Invalid Parameter	"Ensure that the number of hours/rate amount for task is valid."	GenerateRecurringInvoice, GenerateInvoice
51218	Invalid Parameters	Invoice Setting : Invalid Parameter	"Ensure that unit cost amount/quantity for item is valid."	GenerateRecurringInvoice, GenerateInvoice
51219	Invalid Parameters	Invoice Setting : Invalid Parameter	"Ensure that Quick Invoice option is enabled under Invoice Settings."	GenerateRecurringInvoice, GenerateInvoice
51226	Invalid Parameters	SMS_Content: Invalid Parameter	"Ensure that Basic placeholders should not repeated in SMS content."	GenerateRecurringInvoice, GenerateInvoice
51174	Missing Parameter	Card expired date: Required parameter missing	"Ensure that Card expired date parameter is not blank."	Add customer payment option
51175	Invalid Parameter	Card expired date: Invalid Parameter	"Ensure that Card expired date parameter is in MM/yyyy format."	Add customer payment option
51177	Missing Parameter	Card Number: Required parameter missing	"Ensure that Card Number parameter is not blank."	Add customer payment option



51178	Invalid Parameter	Card Number : Invalid Parameter	"Ensure that Card Number parameter is Numeric only."	Add customer payment option
51179	Invalid Parameter	Card Number: Invalid Parameter	"Ensure that Card Number parameter is not invalid."	Add customer payment option
51180	Missing Parameter	Card Name: Required parameter missing	"Ensure that Card Name parameter is not blank."	Add customer payment option
51181	Invalid Parameter	Card Name: Invalid Parameter	"Ensure that Card Name parameter is not invalid."	Add customer payment option
51182	Invalid Parameter	Name on card: Invalid Parameter	"Ensure that only letters and space are provided for name on card parameter."	Add customer payment option
51183	Invalid Parameter	Name on card: Invalid Parameter	"Ensure that Name on card parameter does not exceed 30 characters."	Add customer payment option
51227	Missing Parameters	Issuer Bank: Required parameter missing	"Ensure that Issuer bank name is not blank."	Add customer payment option
51228	Invalid Parameters	Issuer Bank: Invalid parameter	"Ensure that only letters and space are provided for issuer bank parameter."	Add customer payment option
51229	Missing Parameters	Pament Option Type: Required parameter missing	"Ensure that payment option type is not blank."	Add customer payment option
51230	Invalid Parameters	Payment Option Type: Invalid parameter	"Ensure that payment option type is OPTCRDC/OPTDBCRD."	Add customer payment option
51231	Missing Parameters	Name on card: Required parameter missing	"Ensure that name on card is not blank"	Add customer payment option
51232	Missing Parameters	Card type: Required parameter missing	"Ensure that name on card type is not blank"	Add customer payment option



51233	Invalid Parameters	Card type: Invalid parameter	"Ensure that name on card type is CRDC/DBCRD"	Add customer payment option
51301	Invalid Parameter	Order List: Invalid Parameter	"Order is already confirmed"	Confirm
51302	Invalid Parameter	Order List: Invalid Parameter	"Order is already Cancelled:"	Cancel
51303	Invalid Parameter	Order List: Invalid Parameter	"Invalid order status:"	Confirm, Cancel,
51304	Invalid Parameter	Order List: Invalid Parameter	"Invalid order/tracking id :"	Confirm, Cancel,
51305	Invalid Parameter	Order List: Invalid Parameter	"Pending Risk Mitigation:"	Confirm, Cancel,
51306	Invalid Parameter	Order List: Invalid Parameter	"Order Amt Mismatch:"	Confirm, Cancel,
51307	Invalid Parameter	Order List: Invalid Parameter	"Pending risk mitigation."	Confirm, Cancel
51308	Invalid Parameter	Order List: Invalid Parameter	"No record was found for the given criteria."	Refund, Status, OrderLookup,
51309	Invalid Parameter	Reference number: Invalid Parameter	"Ensure that merchant reference number parameter is not repeated."	Refund
51310	Invalid Parameter	Reference number: Invalid Parameter	"Refund not allowed."	Refund
51311	Invalid Parameter	Reference number: Invalid Parameter	"Multiple refunds are not allowed for the gateway."	Refund
51312	Invalid Parameter	Reference number: Invalid Parameter	"Cannot initiate refund request for the given order."	Refund
51313	Invalid Parameter	Order List: Invalid Parameter	"No records found."	Order Status, OrderLookup,



51314	Invalid Parameter	Reference number: Invalid Parameter	"Refund limit exceeds."	Refund
51315	Invalid Parameter	Reference number: Invalid Parameter	"This is a disputed order. You can refund only up to {Currency}{Refund amount limit}."	Refund,
51316	Invalid Parameter	Reference number: Invalid Parameter	"Ensure that Reg Id or Reference No parameters are not invalid."	UpdateBillingDetails,
51317	Invalid Parameter	Reference number: Invalid Parameter	"Record already updated or Invalid Order Status."	UpdateBillingDetails
51318	Invalid Parameter	Reference number: Invalid Parameter	"Ensure that Order Status OR Order Type parameters are not invalid."	UpdateBillingDetails
51319	Invalid Parameter	bill_id: Invalid Parameter	"Ensure that bill_id parameter is not invalid."	UpdateInvoiceReferenceNumber
51320	Invalid Parameter	Bill Merchant Reference No: Invalid Parameter	"Bill Merchant Reference No parameter already exists."	UpdateInvoiceReferenceNumber
51321	Invalid Parameter	Reg ID: Invalid Parameter	"Ensure that Reg ID parameter is not invalid."	UpdateMerchantParams
51322	Invalid Parameter	Reference number: Invalid Parameter	"Ensure that reference number parameter is not invalid."	UpdateMerchantParams
51323	Invalid Parameter	Tax List: Invalid Parameter	"Ensure that Tax is configured for the merchant."	GenerateInvoice ,GenerateRecurringInvoice
51324	Invalid Parameter	Tax List: Invalid Parameter	"Ensure that Tax value matches with the given Tax name."	GenerateInvoice ,GenerateRecurringInvoice
51325	Missing Parameter	Customer id: Required parameter missing	"Ensure that Customer parameter is present."	DeleteCustomer,
51326	Invalid Parameter	Currency: Invalid Parameter	"Ensure that Currency is assigned to the merchant."	GenerateInvoice, GenerateRecurringInvoice,



				GenerateQuickInvoice
51327	Invalid Parameter	Customer id: Invalid Parameter	"Ensure that the merchant is not invalid."	OrderLookup, Delete Customer
51328	Invalid Parameter	Reference number: Invalid Parameter	"Multiple refunds not allowed."	RefundOrder
51336	Invalid Parameter	Customer Card Id: Invalid Parameter	"Card Not Present."	DeleteCustomer payment option
51337	Invalid Parameters	Customer Id:Invalid parameters	"Card Alreday Exists"	Add Customer payment option