



PAYFAIR

V. 1.8 (S2S)

1. OVERVIEW

This document describes the steps for technical integration process between merchant website / application and Payfair Payments.

Through Payfair Payments, your customers can make electronic payments through various payment modes such as:

- Net banking
- UPI
- Credit Cards/Debit Cards
- Cash Cards/Wallets

Payfair Payments also offers you a business UI (<https://pay.payfair.in/>) where you have access to all your prior transaction/payment details, settlement details, analytics, etc.

You can also use this UI to create invoices singly or in bulk, set reminders, recurring billing, and many more features, manage your payables, vendor payments, set split ratios for vendor payments, process refunds, etc. This online interface can be accessed through <https://pay.payfair.in/>.

LIST OF CURRENCY CODES:

Currency	Currency Code
INR	Indian Rupee
AED	UAE Dirham
EUR	Euro
GBP	Pound Sterling
USD	US Dollar
MUR	Mauritius Rupee
RWF	Rwanda Franc
LKR	Sri Lanka Rupee
XOF	West African CFA franc

2. PAYMENT REQUEST API

When you integrate with Payfair Payments, the customer will be re-directed from your merchant website to the Payfair Payments payment page. After completion of the transaction, Payfair Payments will direct the customer back to the merchant website.

2.1. Steps for Integration

- You need to submit a **POST REQUEST** to our server, at the below mentioned URL

<https://pay.payfair.in/v2/paymentseamlessrequest>

Note: hash is a mandatory parameter. If your hash is not properly calculated or does not match for whatever reason, we will not be able to process the payment. The usage of hash is explained in subsequent sections.

- When you call this API, the customer is necessarily re-directed to Payfair payment page. After the customer makes the payment through Payfair Payments (entering his card details or netbanking details etc.), we direct the customer back to your merchant site.

Note: If you need the customer to enter credit card details on your (merchant) website and would NOT want us to redirect to the Payfair Payments page, we can get that done, provided you are PCI-DSS certified. If you are not certified and would like to get certified, let us know. We will guide you appropriately on how to get it done.

- We recommend that you check the hash at your end again, after we send back the response to you. This is essential to prevent user data tampering fraud.
- Transaction ID and order ID:
 - When you submit your transaction request to Payfair Payments, you need to submit an order ID as part of the request. This order ID can be used by you as a universal reference number for all transaction requests submitted by you.
 - When your customer clicks the "Pay" button on the payment page, a unique transaction ID is assigned to the transaction.
 - Order ID acts as a "merchant reference number". You must maintain uniqueness of your order IDs.

2.2. Parameters to be POSTed in Payment Request

URL: <https://pay.payfair.in/v2/paymentseamlessrequest>

Parameter Name	Description	Data type	Optional / Mandatory
api_key	Pythru Payments would assign a unique 40-digit merchant key to you. This key is exclusive to your business/login account. If you have multiple login accounts, there will necessarily be one different api_key per login account that is assigned to you.	varchar(36)	Mandatory
order_id	This is your (merchant) reference number. It must be unique for every transaction.	varchar(30)	Mandatory
mode	This is the payment mode (TEST or LIVE are valid values). Defaults to LIVE.	varchar(4)	Optional
amount	This is the payment amount.	decimal(15,2)	Mandatory
currency	This is the 3digit currency code (INR)	varchar(3)	Mandatory
description	Brief description of product or service that the customer is being charged for.	varchar(500)	Mandatory

name	Name of customer.	varchar(100)	Mandatory
email	Customer email address.	varchar(100)	Mandatory
phone	Customer phone number	varchar(50)	Mandatory
address_line_1	Customer address	varchar(100)	Optional
address_line_2	Customer address 2	varchar(100)	Optional
city	Customer city	varchar(50)	Mandatory
state	Customer State	varchar(50)	Optional
country	Customer country must be IND	varchar(50)	Mandatory
zip_code	Customer zip code	varchar(20)	Mandatory
udf1	User defined field 1	varchar(300)	Optional
udf2	User defined field 2	varchar(300)	Optional
udf3	User defined field 3	varchar(300)	Optional
udf4	User defined field 4	varchar(300)	Optional
udf5	User defined field 5	varchar(300)	Optional
bank_code	Bank code identifies the payment mode and channel.	varchar(20)	Mandatory
card_number	Card number (11 to 19 digits)	varchar(19)	Conditional
expiry_date	Expiry date in mm/yyyy format	varchar(7)	Conditional
card_holder_name	Card holder name	varchar(30)	Conditional
cvv	CVV/CVC	varchar(4)	Conditional
return_url	Return URL success - Pythru Payments will make a POST request to this URL after successful transaction, with a set of parameters, which you can process as you want to.	varchar(300)	Mandatory
return_url_failure	Return URL failure - Pythru Payments will make a POST request to this URL after failed transaction, with a set of parameters, which you can process as you want to. Defaults to return_url.	varchar(300)	Optional
return_url_cancel	Return URL cancel - Pythru Payments will make a POST request to this URL after user-cancelled transaction, with a set of parameters, which you	varchar(300)	Optional

	can process as you want to.		
payer_virtual_address	You need to pass Virtual Private Address of the customer (Requires only for UPI transactions)	Varchar(150)	Optional
hash	<p>You need to compute a hash of all your parameters and pass that hash to Pythru Payments, for details about calculating hash refer Appendix 2.</p> <p>Note: the SALT will be provided by Pythru Payments separately. NEVER PASS SALT IN A FORM, DO NOT STORE SALT IN ANDROID APP APK</p>	varchar(255)	Mandatory

2.3. Response Parameters returned

Parameter name	Description
transaction_id	A unique ID that can be used to trace the transaction uniquely within Payfair Payments. Transaction IDs are alphanumeric. An example transaction ID is HDVISC1299876438
payment_mode	This tells the payment mode used by customer - example: "UPI", "netbanking", etc.
payment_channel	This tells the payment channel used by customer - example: "Visa", "HDFC Bank", "Paytm", etc.
payment_datetime	Date and Time of this payment in "DD-MM-YYYY HH:MM:SS" format
response_code	Status of the transaction (return code). 0 signifies successful transaction. Non-zero values signify error. Response Code returned is documented in Appendix 4
response_message	The response message associated with the transaction.
error_desc	The detailed error description, if any
order_id	The same order_id that was originally posted by the merchant in the request.
amount	The same original amount that was sent by the merchant in the transaction request. In case of customer surcharge model this will be the amount paid by customer **.
currency	This is the 3digit currency code (INR), it will be same value that was originally sent by merchant.
description	The same description that was originally sent by the merchant in the transaction request.

name	The same value that was originally sent by merchant
email	The same value that was originally sent by merchant
phone	The same value that was originally sent by merchant
address_line_1	The same value that was originally sent by merchant
address_line_2	The same value that was originally sent by merchant
city	The same value that was originally sent by merchant
state	The same value that was originally sent by merchant
country	The same value that was originally sent by merchant
zip_code	The same value that was originally sent by merchant
udf1	The same value that was originally sent by merchant
udf2	The same value that was originally sent by merchant
udf3	The same value that was originally sent by merchant
udf4	The same value that was originally sent by merchant
udf5	The same value that was originally sent by merchant
tdr_amount	This is the TDR charged on the transaction **
tax_on_tdr_amount	This is the Tax (GST) charged on the TDR Amount **
amount_orig	This is the amount requested by merchant **. Typically, this will be same as the amount field, but in case of customer surcharge model this will be a different value.
cardmasked	Masked card number which was used to make the transaction **. For example, 437748*****0069
'emi_tenure'	If "send_emi_details" merchant param is enabled and emi_info request is received.
'emi_rate_of_interest'	If "send_emi_details" merchant param is enabled and emi_info request is received.
hash	Payfair Payments calculates the hash using the same algorithm which was outlined earlier. Hence, the merchant needs to check whether this returned hash matches the calculated hash.

** Note: This parameter will be returned as part of the response **only** if the merchant's account has been enabled for the same. Please speak to your Payfair Payments relationship manager if you would like this information to be returned in response.

Note: It is important to validate the hash after you receive the response from Payfair Payments. A failed response sent from Payfair Payments server to your server via browser could be tampered by malicious.

3. PAYMENT STATUS API

Payfair Payments provides an API which you can use to check the status of any prior transaction. You can use this to reconcile transactions. We strongly recommend that you make it a practice to use this for every transaction that was made. This serves two purposes:

The response might not reach you due to network issues or other problems such as user clicking refresh button on their browser, etc.

This also protects against any tampering, since you have a second fallback check here.

Payfair Payments offers a sophisticated API wherein you can apply "filters" on the resultset you want to retrieve. You can search our system by the transaction ID, or the order ID, or even by parameters such as date range, customer phone number, etc. You can also pass in various combinations of these parameters to get the resultset of your choice.

Note: Your designated server IP will need to be whitelisted by Payfair Payments for this API to work. If you receive errors such as "Unauthorized" while accessing this API, please contact your Payfair Payments relationship manager to get this fixed.

URL: <https://pay.payfair.in/v2/paymentstatus>

3.1. Parameters to be POSTed (JSON REQUEST)

Parameter Name	Description	Data type	Optional / Mandatory
api_key	Payfair Payments would assign a unique 36-digit merchant key to you. This key is exclusive to your business/login account. If you have multiple login accounts, there will necessarily be one different api_key per login account that is assigned to you.	varchar(36)	Mandatory
order_id	This is your (merchant) reference number which you submitted while making the original transaction. You can send multiple order ids in this field as comma (,) separated list	varchar(30)	Optional
transaction_id	This is the transaction ID generated by Payfair Payments for the given transaction	varchar(30)	Optional

bank_code	This is the 4-letter bankcode which denotes the payment mode/channel of the payment.	varchar(4)	Optional
response_code	The numeric response code returned by Payfair Payments during the original transaction	number(4)	Optional
customer_phone	Phone number of the customer, as provided during the original paymentrequest API	varchar(30)	Optional
customer_email	Email address of the customer, as provided during the original paymentrequest API	varchar(255)	Optional
customer_name	Name of the customer, as provided during the original paymentrequest API	varchar(255)	Optional
date_from	Start date of date range to retrieve transactions, in DD-MM-YYYY or YYYY-MM- DD HH:MM:SS format	varchar(20)	Optional
date_to	End date of date range to retrieve transactions, in DD-MM-YYYY or YYYY-MM- DD HH:MM:SS format	varchar(20)	Optional
page_number	Page number you need to retrieve, its value is limited by information received in the first response that is received	integer	Optional
per_page	Number of records need to see per page, this value should be between 1 and 50	integer	Optional
hash	<p>You need to compute a hash of all your parameters and pass that hash to Payfair Payments, for details about calculating hash refer Appendix 2.</p> <p>Note: the SALT will be provided by Payfair Payments separately. NEVER PASS SALT IN A FORM, DO NOT STORE SALT IN ANDROID APP APK or IPHONE APP package</p>	varchar(255)	Mandatory

3.2. Response Parameters

On successful call to this API you will receive JSON response. You can read the JSON response and process it at your end. If your result set is greater than 50 transactions, you would need to use pagination.

Note: few parameters in response will be visible only if it is enabled for your account, for example: refund_details will be available if it is enabled for your merchant account.

A few sample responses for given requests are provided

below: In case of success,

```
{  
  "data": [  
    {  
      "transaction_id": "SFSBIN2783912661",  
      "bank_code": "SBIN",  
      "payment_mode":  
        "Netbanking",  
      "payment_channel": "State Bank of  
        India", "payment_datetime": "2018-06-  
        13 16:44:03",  
      "response_code": 1000,  
      "response_message":  
        "FAILED",  
      "authorization_staus": null,  
      "order_id": "427641",  
      "amount": "27.36",  
      "amount_orig": "2.00",  
      "tdr_amount": 21.49,  
      "tax_on_tdr_amount": 3.87,  
      "description": "Web Payment for  
        433487", "error_desc": "FAILED",  
      "customer_phone": "9900990099",  
      "customer_name": "sharathkumar  
        hegde",  
    }]
```

```
"customer_email":  
"sharathkumar@example.com" "currency":  
"INR",  
"cardmasked": null,  
"udf1": null,  
"udf2": null,  
"udf3": null,  
"udf4": null,  
"udf5": null,  
"refund_details":  
": {  
    "refund_amount": 0  
}  
,  
{  
    "transaction_id":  
"HDVISC4291974106",  
    "bank_code": "VISC",  
    "payment_mode": "Credit Card",  
    "payment_channel": "Visa",  
    "payment_datetime": "2018-06-13  
16:45:39",  
    "response_code": 0,  
    "response_message":  
"SUCCESS",  
    "authorization_staus":  
"captured", "order_id":  
"427643",  
    "amount": "1.93",  
    "amount_orig": "1.90",  
    "tdr_amount": 0.03,  
    "tax_on_tdr_amount": 0,  
    "description": "Web Payment for  
433489", "error_desc": null,  
    "customer_phone": "9900990099",  
    "customer_name": "sharathkumar hegde",  
    "customer_email":  
"sharathkumar@example.com" "currency":  
"INR",
```

```

    "cardmasked": null,
    "udf1": null,
    "udf2": null,
    "udf3": null,
    "udf4": null,
    "udf5": null,
    "refund_details": {
        ": {
            "refund_amount": 0
        }
    },
    "page": {
        "total": 175,
        "per_page": 10,
        "current_page": 1,
        "last_page": 18,
        "from": 1,
        "to": 10
    },
    "hash": "30FAAD865191B4064576F063177F0A4692C3DBBBF35D1A20463EAA449269C4715FD13528EA069B3A8 D5C25C62637ED825C297C2337CDC1CFB7FCD0D60DCFEB9D"
}

```

In case of error,

```
{
    "error": {
        "code": 1001,
        "message": "The api key field is incorrect"
    }
}
```

In case there is no record present in our system for the combination of input, following error is returned

```
{
    "error": {
        "code": 1050,
```

```

    "message": "No data record found for the given input"
}
}

```

In case there is no transaction id in our system for the order_id, merchant_order_id or transaction_id, following error is returned

```

{
  "error": {
    "code": 1028,
    "message": "No Transaction found"
  }
}

```

If there are more than 50 transactions for which the status is requested, you would see following error

```

{
  "error": {
    "code": 1086,
    "message": "More than 50 records, refine your search criteria or use pagination"
  }
}

```

In such cases where result set is expected to have status of more than 50 transactions, it is required to use pagination.

Pagination allows to access data in smaller chunks making it easier for server to return data quickly. To allow for pagination one need to pass following additional parameter in request

Parameter Name	Description	Data type	Optional / Mandator y
page_number	Page number you need to retrieve, its value is limited by information received in the first response that is received	integer	optional
per_page	Number of records need to see per page, this value should be between 1 and 50	integer	optional

If above parameters are passed, response will have additional information about pagination as following

```
"page": {
```

```
"total": 175,  
"per_page": 10,  
"current_page": 1,  
"last_page": 18,  
"from": 1,  
"to": 10  
},
```

This pagination information should be used in page_number filed for subsequent api request. end-user and turned into "success". To make sure the transaction response is the same as what Payfair Payments server sent please check the hash before considering the transaction response as final.

Note: Format of transaction ID is as follows: HDVISC1299876438". The 3rd to 6th digits (both inclusive) in the transaction ID signify the "bankcode". This information is enough to obtain the payment method and payment channel. A list of bankcodes and corresponding payment mode/channel is available in Appendix 3 of this document.

4. Refunds API

Payfair Payments provides a refund API which merchants can use to programmatically issue refunds instead of clicking the "refund" button in the Payfair Payments UI. This API can be invoked on any prior successful transaction. The transaction which is being refunded should be in either "paid" or "settled" state, or in "refunded" state (in case of partial amount refunds). Refunds can be either for the full amount paid by the customer, or any part of it.

The API needs a valid transaction ID as input.

Note: processing of refunds is subject to availability of funds in subsequent settlement cycles. This API will return a failure response in case sufficient funds are not available to process the refund.

4.1. Refund request API

URL: <https://pay.payfair.in/v2/refundrequest>

Request Parameters:

Parameter Name	Description	Data type	Optional / Mandatory
api_key	Payfair Payments would assign a unique 36- digit merchant key to you. This key is exclusive to your business/login account. If you have multiple login accounts, there will necessarily be one different api_key per login account that is assigned to you.	varchar(36)	Mandatory y
transaction_id	The unique alphanumeric transaction ID generated by Payfair Payments for a prior transaction.	varchar(30)	Mandatory y

merchant_refund_id	This is your (merchant) refund reference number. It must be unique for every refund request. If a refund request is sent with same merchant_refund_id we return the response of the previously successful refund request. Warning: If you are NOT using this field then be careful, as each request will be treated as a new refund request. Thus it is recommended to use this field.	varchar(30)	Optional
merchant_order_id	This is your (merchant) reference number which you submitted while making the original transaction. Note that if this value does not match with related transaction_id field then you will get error. In typical cases do not send this field.	varchar(30)	Optional
amount	The amount which needs to be refunded. This needs to be less than or equal to the transaction amount.	decimal(10,2)	Mandatory
description	Description of the refund. Usually the reason for issuing refund, as specified by merchant.	varchar(500)	Mandatory
hash	You need to compute a hash of all your parameters and pass that hash to PayfairPayments, for details about calculating hash refer Appendix 2. Note: the SALT will be provided by Payfair Payments separately. NEVER PASS SALT IN A FORM, DO NOT STORE SALT IN ANDROID APP APK or IPHONE APP package	varchar(255)	Mandatory

Response Parameters:

The output is a JSON which contains the error(s), if any, in validation, or a simple success message which confirms that the refund request has been accepted and will be processed during subsequent settlement cycle.

If the request is successfully processed response you will get a “*data*” block, and in case of failure you will see “*error*” block, you will not get “*data*” key in case of error.

In case of success, **NOTE:** that *refund_reference_no* is returned by the bank and it can be null in case refunds are not initiate by bank immediately, but is done at end of the day.

```
{  
  "data": {  
    "transaction_id":  
      "HDVISC7472820193", "refund_id":  
        4351, "refund_reference_no": null  
      "merchant_refund_id": 76783_R_1,  
      "merchant_order_id": 76783,  
  }  
}
```

In case of error,

```
{  
  "error": {  
    "code": 1039,  
    "message": "The refund amount is greater than transaction amount"  
  }  
}
```

4.2. Refund Status API

If a refund is initiated either from merchant or payment gateway end and merchant wants to check its status (details such as if it is refunded or not how much amount was paid and how much is refunded will be posted in response). To check the status of any refund which was initiated merchant should post the API request.

URL: <https://pay.payfair.in/v2/refundstatus>

Request Parameters:

Parameter Name	Description	Data type	Optional / Mandatory
api_key	Payfair Payments would assign a unique 36- digit merchant key to you. This key is exclusive to your business/login account. If you have multiple login accounts, there will necessarily be one different api_key per login account that is assigned to you.	varchar(36)	Mandatory
transaction_id	The unique alphanumeric transaction ID generated by Payfair Payments for a prior transaction.	varchar(30)	Mandatory
merchant_order_id	This is your (merchant) reference number which you submitted while making the original transaction. Note that if this value does not match with related transaction_id field then you will get error. In typical cases do not send this field.	varchar(30)	Optional
hash	You need to compute a hash of all your parameters and pass that hash to PayfairPayments, for details about calculating hash refer Appendix 2.	varchar(255)	Mandatory

	<p>Note: the SALT will be provided by Payfair Payments separately.</p> <p>NEVER PASS SALT IN A FORM, DO NOT STORE SALT IN ANDROID APP APK or IPHONE APP Package</p>		
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Response Parameters:

The output is a JSON it will give all details about a refund if any initiated for this transaction, if not it will give json with error. Partial multiple refunds are also shown in refund_details

If the request is successfully processed response you will get a “*data*” block, and in case of failure you will see “*error*” block, you will not get “*data*” key in case of error.

NOTE: that *refund_reference_no* is returned by the bank and it can be null in case refunds are not initiate by bank immediately but is done at end of the day.

```
{
  "data": {
    "transaction_id": "FDAXIP9740656834",
    "merchant_order_id": "351177",
    "refund_amount": 2.04,
    "transaction_amount": "2.04",
    "refund_details": [
      {
        "refund_id": 3523,
        "refund_reference_no": "602201803257434370",
        "merchant_refund_id": null,
        "refund_amount": "2.04",
        "refund_status": "Customer Refunded",
        "date": "2018-02-01 11:19:49"
      }
    ]
  },
}
```

```
"hash":  
"20D8CB42D14C35AAEF06BB200C82E560DCC1D0C19EEFFBD07CBEEB3BD39AE746AFB30  
A5803D6375 27CE1A45AE367565E8AF5933809E3F597D7CDDDCDB3C28FE"  
}
```

In case of error,

```
{  
"error": {  
"code": 1050,  
"message": "No data record found for the given input"  
}  
}
```

HASH CALCULATION GUIDE

Following are the steps to calculate hash.

1. Create a | (pipe) delimited string called hash_data with first value as the salt.
2. Now sort the post fields based on their keys and create a | delimited string, for the fields with values.
3. Hash the hash_data string using “**SHA-512**” hashing algorithm and save the hash in secure_hash string
4. Convert the secure_hash string to upper case

LIST OF RESPONSE CODE

Error Numeric Code	Error Code	Error Description	Error Display Text
0	SUCCESS	Transaction successful	Transaction successful
1000	FAILED	Transaction failed	Transaction failed
1001	INVALID-API-KEY	The api key field is incorrect	The api key field is incorrect
1002	INVALID-LIVE-MODE-ACCESS	The live mode access is not allowed	The live mode access is not allowed
1003	INVALID-ORDER-ID-FIELD	The order id field should to be unique	The order id field should to be unique
1004	ORDER-ID-FIELD-NOT-FOUND	The order id field is not found	The order id field is not found
1005	INVALID-AUTHENTICATION	Invalid authentication at bank	Invalid authentication at bank
1006	WAITING-BANK-RESPONSE	Waiting for the response from bank	Waiting for the response from bank
1007	INVALID-INPUT-REQUEST	Invalid input in the request message	Invalid input in the request message
1008	TRANSACTION-TAMPERED	Transaction tampered	Transaction failed due to malicious activity in your account. Please contact the support team
1009	DECLINE-D-BY-BANK	Bank Declined Transaction	Bank Declined Transaction
1010	INVALID-AMOUNT	Amount cannot be less than 1	Amount cannot be less than 1
1011	AUTHORIZATION-REFUSED	Authorization refused	Authorization refused
1012	INVALID-CARD	Invalid Card/Member Name data	Invalid Card/Member Name data
1013	INVALID-EXPIRY-DATE	Invalid expiry date	Invalid expiry date
1014	DENIED-BY-RISK	Transaction denied by risk	Transaction denied by risk
1015	INSUFFICIENT-FUND	Insufficient Fund in Customer Account	Insufficient Fund in Customer Account
1016	INVALID-AMOUNT-LIMIT	Total Amount limit set for the terminal for transactions has been crossed	Total Amount limit set for the terminal for transactions has been crossed

1017	INVALID-TRANSACTION-LIMIT	Total transaction limit set for the terminal has been crossed	Total transaction limit set for the terminal has been crossed
1018	INVALID-DEBIT-AMOUNT-LIMIT	Maximum debit amount limit set for the terminal for a day has been crossed	Maximum debit amount limit set for the terminal for a day has been crossed
1019	INVALID-CREDIT-AMOUNT-LIMIT	Maximum credit amount limit set for the terminal for a day has been crossed	Maximum credit amount limit set for the terminal for a day has been crossed
1020	MAXIMUM-DEBIT-AMOUNT-CROSS	Maximum debit amount set for per card for rolling 24 hrs has been crossed	Maximum debit amount set for per card for rolling 24 hrs has been crossed
1021	MAXIMUM-CREDIT-AMOUNT-CROSS	Maximum credit amount set for per card for rolling 24 hrs has been crossed	Maximum credit amount set for per card for rolling 24 hrs has been crossed
1022	MAXIMUM-TRANSACTION-CROSS	Maximum transaction set for per card for rolling 24 hrs has been crossed	Maximum transaction set for per card for rolling 24 hrs has been crossed
1023	HASH-MISMATCH	Hash Mismatch	Hash Mismatch
1024	INVALID-PARAMS	Invalid parameters	Invalid parameters
9999	UNKNOWN-WN-ERROR	Unknown error occurred	Unknown error occurred
1025	INVALID-BANK-CODE	Invalid bank code	Invalid bank code
1026	INVALID-MERCHANT	Merchant is not active	Merchant is not active
1027	INVALID-TRANSACTION	Invalid transaction	Transaction is invalid
1028	TRANSACTION-NOT-FOUND	Transaction not found	Transaction not found
1029	TRANSACTION-	Transaction terminated	Transaction terminated

	TERMINATED		
1030	TRANSACTION-INCOMPLETED	Transaction incomplete	Transaction incomplete
1031	AUTO-REFUNDED	Transaction auto refunded	Transaction auto refunded
1032	REFUNDED	Transaction refunded	Transaction refunded
1033	SINGLE-TRANSACTION-LOWER-LIMIT-CROSS	The amount provided is less than transaction lower limit	The amount provided is less than transaction lower limit
1034	SINGLE-TRANSACTION-UPPER-LIMIT-CROSS	The amount provided is more than transaction upper limit	The amount provided is more than transaction upper limit
1035	TRANSACTION-DAILY-LIMIT-CROSS	The daily transaction limit is exceeded for the merchant	The daily transaction limit is exceeded for the merchant
1036	TRANSACTION-MONTHLY-LIMIT-CROSS	The monthly transaction limit is exceeded for the merchant	The monthly transaction limit is exceeded for the merchant
1037	DAILY-TRANSACTION-NUMBER-CROSS	The daily transaction number is exceeded for the merchant	The daily transaction number is exceeded for the merchant
1038	MONTHLY-TRANSACTION-NUMBER-CROSS	The monthly transaction number is exceeded for the merchant	The monthly transaction number is exceeded for the merchant
1039	INVALID-REFUND-AMOUNT	The refund amount is greater than transaction amount	The refund amount is greater than transaction amount
1040	INVALID-CVV	Invalid Card Verification Code	Invalid Card Verification Code

	AUTO- D-TNP		
1041	REFUNDE	Transaction is auto refunded by TnP	Transaction is auto refunded by TnP
1042	FAILED- NO- RESPONS E	Transaction failed as there was no response from bank	Transaction failed as there was no response from bank
1043	TRANSAC TION- CANCELL ED	Transaction cancelled	Transaction cancelled
1044	UNAUTH ORIZED	Unauthorized	Unauthorized
1045	FORBIDD EN	Forbidden Access	Forbidden Access
1046	TRANSAC TION- ALREADY - CAPTURE D	Transaction already captured	Transaction already captured
1047	AUTHORI ZED	Transaction authorized	Transaction authorized
1048	CAPTURE D	Transaction captured	Transaction captured
1049	VOIDED	Transaction voided	Transaction voided
1050	NO- RECORD- FOUND	No data record found for the given input	No data record found for the given input
1051	ACQUIRE R-ERROR	Error occurred at the bank end	Error occurred at the bank end
1052	INVALID- EMAIL	Invalid Email ID	Invalid Email ID
1053	INVALID- PHONE	Invalid phone number	Invalid phone number
1055	SEAMLES S-NOT- ALLOWE D	Seamless payment not allowed	Seamless payment not allowed
1054	SESSION- TIMEOUT	Session expired. Please go back and try again.	Session expired. Please go back and try again.
1056	INVALID- VPA	Virtual Payee Address is invalid	Virtual Payee Address is invalid
1057	3DS- FAILED	3D Secure authentication failed	3D Secure authentication failed
1058	ACCOUN T- BLOCKED	Bank Account is blocked	Bank Account is blocked

	ACQUIRE		
1059	R-MAX-TRANSAC	Transaction amount limit has exceeded	Transaction amount limit has exceeded
	TION-LIMIT		
	ACQUIRE		
1060	R-MIN-TRANSAC	The amount provide is less than minimum transaction amount allowed	The amount provide is less than minimum transaction amount allowed
	TION-LIMIT		
	ACQUIRE		
1061	R-VELOCITY	Transaction frequency limit has exceeded	Transaction frequency limit has exceeded
	-LIMIT		
	CARD-EXPIRED	Card has expired	Card has expired
1063	HOTLISTED	Stolen or Lost Card	Stolen or Lost Card
1064	INACTIVE-CARD	The card is inactive	The card is inactive
1065	INCORRECT-PIN	Incorrect PIN	Incorrect PIN
	INSUFFICI		
1066	ENT-BALANCE	Insufficient Balance	Insufficient Balance
1068	INVALID-BIN	Bin not found	Bin not found
	INVALID-		
1069	CARDHOLDER-NAME	Invalid card holder name	Invalid card holder name
	NAME		
	INVALID-		
1070	CARD-INFO	Invalid brand or bin range not enabled	Invalid brand or bin range not enabled
	INFO		
	INVALID-		
1071	INPUT-DATA	Invalid input data	Invalid input data
	DATA		
1072	ISSUER-DECLINE	Payment decline by bank	Payment decline by bank
	DECLINE		
	ISSUER-		
1073	DISALLOWED	Transaction not allowed by the issuer	Transaction not allowed by the issuer
	WED		
1074	ISSUER-ERROR	Payment processing failed due to error at bank	Payment processing failed due to error at bank
	ERROR		
	ISSUER-		
1075	LIMIT-DECLINE	Exceeds withdrawal frequency or count limit	Exceeds withdrawal frequency or count limit
	DECLINE		
1076	MAX-RETRIES	Maximum number of PIN retries exceeded	Maximum number of PIN retries exceeded

1077	OTP-LIMIT-EXCEEDED	OTP validation attempts limit exceeded	OTP validation attempts limit exceeded
1078	PIN-ATTEMPT-EXCEEDED	PIN attempts limit exceeded	PIN attempts limit exceeded
1079	RESTRICTED-CARD	Restricted card	Restricted card
1080	SUSPECTED-FRAUD	Suspected fraud	Suspected fraud
1081	TIMEOUT	Payment was not completed on time	Payment was not completed on time
1082	UPI-PIN-NOT-SET	UPI PIN is not set	UPI PIN is not set
1083	UPI-REQUEST-EXPIRED	UPI request expired	UPI request expired
1084	USER-BACK-REFRESH	User pressed refresh button	User pressed refresh button
1085	ACQUIRE-R-DOWN	Payment acquirer is down	Payment acquirer is down
1086	TOO-MANY-RECORDS	Response contains too many records, use pagination	Too many records
1087	NOT-ENOUGH-PARAMETERS	Not enough parameters to get response, add one or more optional parameters	Not enough parameters, try adding one or more optional parameters
1088	TRANSACTION-IN-PROCESS	We are processing your transaction	We are processing your transaction
1089	INVALID-ACCESS-TOKEN	Invalid access token	Invalid access token
1090	TEST-MODE-DISABLED	The test mode access is not allowed	The test mode access is not allowed
1091	INVALID-TRANSFER-TYPE	The disbursement transfer type is not allowed	The disbursement transfer type is not allowed
1092	INACTIVE-ACCOUNT	The customers account is inactive	The customers account is inactive

1093	INVALID- ACCOUN T	The customers account is invalid	The customers account is invalid
1094	TRANSAC TION- COUNT- EXCEEDE D	Transaction count limit has exceeded for the customer	Transaction count limit has exceeded for the customer
1095	AMOUNT - MISMAT CH	Transaction tampered	Transaction amount mismatch in payment response

LIST OF BANK CODES

Bank Code	Payment Mode	Payment Channel	Description
BHQR	Bharat QR	Bharat QR	Bharat QR Payments(Dynamic)
	Bharat		
BSQR	QR(Static)	Bharat QR(Static)	Bharat QR Payments(Static)
EASF	Cardless EMI	EarlySalary	EarlySalary
INCF	Cardless EMI	Instacred	Instacred
ZEMF	Cardless EMI	ZestMoney	ZestMoney
DONH	Cash Card	DONE Cash Card	DONE Cash Card
ICSH	Cash Card	Icash Card	Icash card
ITZH	Cash Card	ITZ Cash Card	ITZ Cash card
PWMH	Cash Card	PayWorld Cash Card	PayWorld Cash Card
	Commercial		
MACC	Credit Card	Master	Master Commercial Credit Card
	Commercial		
VICC	Credit Card	Visa	Visa Commercial Credit Card
AMXC	Credit Card	Amex	American Express Credit Card
DINC	Credit Card	Diners	Diners Credit Card
MASC	Credit Card	Master	Master Credit Cards
RUPC	Credit Card	Rupay	Rupay Credit Card
VISC	Credit Card	Visa	Visa Credit Card
MAED	Debit Card	Maestro (non-SBI)	Maestro Debit Card (non-SBI)
MSED	Debit Card	Maestro (SBI)	Maestro Debit Card (SBI)
MASD	Debit Card	Master	Master Debit Card
RUPD	Debit Card	Rupay	Rupay Debit Card
VISD	Debit Card	Visa	Visa Debit Card
AXIL	Direct EMI	AXIS Bank Credit EMI	AXIS Bank Credit Card EMI
AXDL	Direct EMI	AXIS BANK DEBIT EMI	AXIS Bank Debit Card EMI
BOBL	Direct EMI	Bank of Baroda Credit EMI	Bank of Baroda Credit Card EMI
HDFL	Direct EMI	HDFC BANK Credit EMI	HDFC Bank Credit Card EMI
HDDL	Direct EMI	HDFC Bank Debit EMI	HDFC Bank Debit Card EMI
ICIL	Direct EMI	ICICI Bank Credit EMI	ICICI Bank Credit Card EMI
ICDL	Direct EMI	ICICI Bank Debit EMI	ICICI Bank Debit Card EMI
KKBL	Direct EMI	Kotak Mahindra Bank Credit EMI	Kotak Mahindra Bank Credit Card EMI
RBLL	Direct EMI	RBL Bank Credit Card EMI	RBL Bank Credit Card EMI
SCBL	Direct EMI	Standard Chartered Bank Credit Card EMI	Standard Chartered Bank Credit Card EMI
SBIL	Direct EMI	State Bank of India Credit EMI	State Bank of India Credit Card EMI
YESL	Direct EMI	Yes Bank Credit Card EMI	Yes Bank Credit Card EMI
EZP1	EazyPay	EazyPay	EazyPay
ECLV	E-Collect	E-Collect	E-Collect(Virtual Accounts)

AMXE	EMI	American Express Credit EMI	American Express Credit EMI
AXIE	EMI	AXIS Bank Credit EMI	AXIS Bank Credit EMI
AXDE	EMI	AXIS BANK DEBIT EMI	AXIS Bank Debit EMI
BOBE	EMI	Bank of Baroda Credit EMI	Bank of Baroda Credit EMI
CITE	EMI	CITIBANK Credit EMI	CITIBANK Credit EMI
HDFE	EMI	HDFC Bank Credit EMI	HDFC Bank Credit EMI
HDDE	EMI	HDFC Bank Debit EMI	HDFC Bank Debit EMI
		Hong Kong And Shanghai Banking Credit	Hong Kong And Shanghai Banking Credit
HSBE	EMI	EMI	EMI
ICIE	EMI	ICICI Bank Credit EMI	ICICI Bank Credit EMI
INDE	EMI	Indusind Bank Credit EMI	Indusind Bank Credit EMI
KKBE	EMI	Kotak Mahindra Bank Credit EMI	Kotak Mahindra Bank Credit EMI
RBLE	EMI	RBL Bank Credit EMI	RBL Bank Credit EMI
SCBE	EMI	Standard Chartered Bank Credit EMI	Standard Chartered Bank Credit EMI
SBIE	EMI	State Bank of India Credit EMI	State Bank of India Credit EMI
YESE	EMI	Yes Bank Credit EMI	Yes Bank Credit EMI
	International AMXI	Amex	American Express International Credit Card
DINI	Credit Card	Diners	Diners International Credit Card
MACI	Credit Card	Master	Master International Credit Card
VICI	Credit Card	Visa	Visa International Credit Card
MADI	Debit Card	Master	Master International Debit Card
VIDI	Debit Card	Visa	Visa International Debit Card
ABPN	Netbanking	Aditya Birla Payments Bank	Aditya Birla Payments Bank
ADCN	Netbanking	Ahmedabad District Co-operative Bank	Ahmedabad District Co-operative Bank
AIRN	Netbanking	Airtel Payment Bank	Airtel Payment Bank
ALLM	Netbanking	Allahabad Bank Corporate Netbanking (Erstwhile Indian Bank)	Allahabad Bank Corporate Netbanking (Erstwhile Indian Bank)
ALLN	Netbanking	Allahabad Bank NetBanking (Erstwhile Indian Bank)	Allahabad Bank NetBanking (Erstwhile Indian Bank)
APGN	Netbanking	Andhra Pragathi Grameena Bank	Andhra Pragathi Grameena Bank
AUSN	Netbanking	AU Small Finance Bank	AU Small Finance Bank
AXIN	Netbanking	AXIS Bank	AXIS Bank NetBanking
AXIM	Netbanking	AXIS Bank - Corporate	AXIS Bank - Corporate NetBanking
BDNN	Netbanking	Bandhan bank	Bandhan Bank
BDNM	Netbanking	Bandhan bank - Corporate	Bandhan bank - Corporate
BBKN	Netbanking	Bank of Bahrain and Kuwait	Bank of Bahrain and Kuwait
BBRM	Netbanking	Bank of Baroda - Corporate	Bank of Baroda Corporate Banking
BBRN	Netbanking	Bank of Baroda - Retail	Bank of Baroda Retail Banking
BOIN	Netbanking	Bank of India	Bank of India

BOMN	Netbanking	Bank of Maharashtra	Bank of Maharashtra
BRLM	Netbanking	Barclays Corporate Banking	Barclays Corporate Banking
BCBN	Netbanking	Bassein Catholic Bank	Bassein Catholic Bank
BCCN	Netbanking	Bassien Catholic Coop Bank	Bassien Catholic Coop Bank
BHAN	Netbanking	Bharat Bank	Bharat Bank
BMBN	Netbanking	Bharatiya Mahila Bank	Bharatiya Mahila Bank
CANN	Netbanking	Canara Bank	Canara Bank
CPFN	Netbanking	Capital Small Finance Bank	Capital Small Finance Bank
CSBN	Netbanking	Catholic Syrian Bank	Catholic Syrian Bank
CBIN	Netbanking	Central Bank Of India	Central Bank Of India
CITN	Netbanking	Citi Bank NetBanking	Citi Bank NetBanking
CUBN	Netbanking	City Union Bank	City Union Bank
COSN	Netbanking	Cosmos Bank	Cosmos Bank
DBSN	Netbanking	DBS Bank	DBS Bank
DCBM	Netbanking	DCB Bank - Corporate	DCB Bank - Corporate Netbanking
DEMN	Netbanking	Demo Bank	Demo Netbanking
DENN	Netbanking	Dena Bank	Dena Bank
DSHN	Netbanking	Deutsche Bank	Deutsche Bank
DCBN	Netbanking	Development Credit Bank	Development Credit Bank
DHNN	Netbanking	Dhanlakshmi Bank	Dhanalakshmi Bank
		Dhanlakshmi Bank - Corporate Net	
DHNM	Netbanking	Banking	Dhanalakshmi Bank - corporate
ESFN	Netbanking	Equitas Bank	Equitas Small Finance Bank Limited
ESAN	Netbanking	ESAF Small Finance Bank	ESAF Small Finance Bank
FEDN	Netbanking	Federal Bank	Federal Bank
FESN	Netbanking	Federal Bank Scan And Pay	Federal Bank Scan And Pay
FSFN	Netbanking	Fincare Small Finance Bank	Fincare Small Finance Bank
GPPN	Netbanking	GP Parsik Sahakari Bank	GP Parsik Sahakari Bank
GSCN	Netbanking	Gujarat State Co-operative Bank Limited	Gujarat State Co-operative Bank Limited
HDFN	Netbanking	HDFC Bank	HDFC Bank
HSBN	Netbanking	HSBC NetBanking	HSBC NetBanking
ICIN	Netbanking	ICICI Bank	ICICI Netbanking
ICIM	Netbanking	ICICI Bank - Corporate	ICICI Bank - Corporate NetBanking
IDBN	Netbanking	IDBI	Industrial Development Bank of India
			Industrial Development Bank of India -
IDBM	Netbanking	IDBI Bank - Corporate	Corporate
IDFN	Netbanking	IDFC Bank	IDFC Bank
ININ	Netbanking	Indian Bank	Indian Bank
IOBN	Netbanking	Indian Overseas Bank	Indian Overseas Bank
INDN	Netbanking	IndusInd Bank	IndusInd Bank
INGN	Netbanking	ING Vysya Bank	ING Vysya Bank
JAKN	Netbanking	Jammu and Kashmir Bank	Jammu and Kashmir Bank
JSFN	Netbanking	Jana Small Finance	Jana Small Finance NetBanking

JSBN	Netbanking	Janata Sahakari Bank	Janata Sahakari Bank
JPNB	Netbanking	Jio Payments Bank	Jio Payments Bank
KJBN	Netbanking	Kalyan Janata Sahakari Bank	Kalyan Janata Sahakari Bank
KRKN	Netbanking	Karnataka Bank	Karnataka Bank
KGBN	Netbanking	Karnataka Gramin Bank	Karnataka Gramin Bank
KVGN	Netbanking	Karnataka Vikas Grameena Bank	Karnataka Vikas Grameena Bank
KRVM	Netbanking	Karur Vysya - Corporate	Karur Vysya - Corporate Netbanking
KRVN	Netbanking	Karur Vysya - Retail	Karur Vysya
KKBN	Netbanking	Kotak Mahindra Bank	Kotak Mahindra Bank
LVBN	Netbanking	Laxmi Vilas Bank	Laxmi Vilas Bank - Retail
LVBM	Netbanking	Laxmi Vilas Bank - Corporate	Laxmi Vilas Bank - Corporate
MGBN	Netbanking	Maharashtra Gramin Bank	Maharashtra Gramin Bank
NBLN	Netbanking	Nainital Bank	Nainital Bank
NKBN	Netbanking	NKGSB Bank	NKGSB Bank
NEBN	Netbanking	North East Small Finance Bank	North East Small Finance Bank
NNBN	Netbanking	Nutan Nagarik Sahakari Bank Limited	Nutan Nagarik Sahakari Bank Limited
PYTN	Netbanking	Paytm Bank	Paytm Net Banking
OBCN	Netbanking	PNB (Erstwhile-Oriental Bank of Commerce)	PNB (Erstwhile-Oriental Bank of Commerce)
UNIN	Netbanking	PNB (Erstwhile-United Bank of India)	PNB (Erstwhile-United Bank of India)
PNYN	Netbanking	PNB YUVA Bank	PNB YUVA Bank
PMCN	Netbanking	Punjab & Maharashtra Coop Bank	Punjab & Maharashtra Coop Bank
PSBN	Netbanking	Punjab & Sind Bank	Punjab & Sind Bank
PNBM	Netbanking	Punjab National Bank - Corporate	Punjab National Bank-Corporate
PNBN	Netbanking	Punjab National Bank - Retail	Punjab National Bank - Retail Banking
RTNN	Netbanking	RBL Bank Limited	RBL Bank Limited
RTNM	Netbanking	RBL Bank Limited- Corporate Net Banking	RBL Bank Limited- Corporate Net Banking
RBSN	Netbanking	Royal Bank Of Scotland	Royal Bank Of Scotland NetBanking
SRSN	Netbanking	Saraswat Bank	Saraswat Bank
SOMN	Netbanking	SBM Bank India	SBM Bank India
SVCN	Netbanking	Shamrao Vitthal Co-operative Bank	Shamrao Vitthal Co-operative Bank
		Shamrao Vitthal Co-operative Bank -	Shamrao Vitthal Co-operative Bank -
SVCN	Netbanking	Corporate	Corporate
SMCN	Netbanking	Shivalik Mercantile Cooperative Bank Ltd	Shivalik Mercantile Cooperative Bank Ltd
SOIN	Netbanking	South Indian Bank	South Indian Bank
SCBN	Netbanking	Standard Chartered Bank	Standard Chartered Bank
SBJN	Netbanking	State Bank of Bikaner and Jaipur	State Bank of Bikaner and Jaipur
SBHN	Netbanking	State Bank of Hyderabad	State Bank of Hyderabad
SBIN	Netbanking	State Bank of India	State Bank of India
SBMN	Netbanking	State Bank of Mysore	State Bank of Mysore
SBPN	Netbanking	State Bank of Patiala	State Bank of Patiala
SBTN	Netbanking	State Bank of Travancore	State Bank of Travancore
SUBN	Netbanking	Suryoday Small Finance Bank	Suryoday Small Finance Bank

SYDN	Netbanking	Syndicate Bank (Erstwhile Canara Bank)	Syndicate Bank (Erstwhile Canara Bank)
TMBN	Netbanking	Tamilnad Mercantile Bank Ltd.	Tamilnad Mercantile Bank Ltd.
TSCN	Netbanking	Tamilnadu State Coop Bank	Tamilnadu State Coop Bank
TBSN	Netbanking	Thane Bharat Sahakari Bank Ltd	Thane Bharat Sahakari Bank Ltd
KCCN	Netbanking	The Kalupur Commercial Cooperative Bank Limited	The Kalupur Commercial Cooperative Bank Limited
MSBN	Netbanking	The Mehsana Urban Co Op Bank Ltd	The Mehsana Urban Co Op Bank Ltd.
		The Surat Peopleâ€™s Co-operative Bank	The Surat Peopleâ€™s Co-operative Bank
SPCN	Netbanking	Limited	Limited
SUCN	Netbanking	The Sutex Co-op Bank Ltd	The Sutex Co-op Bank Ltd
VCBN	Netbanking	The Varachha Co-operative Bank	The Varachha Co-operative Bank
TJSN	Netbanking	TJSB Bank	TJSB Bank
UCON	Netbanking	UCO Bank	UCO Bank
USFN	Netbanking	Ujjivan Small Finance Bank	Ujjivan Small Finance NetBanking
UBIM	Netbanking	Union Bank of India - Corporate	Union Bank - Corporate Netbanking
UBIN	Netbanking	Union Bank of India - Retail	Union Bank of India
		Union Bank of India (Erstwhile Andhra Bank)	Union Bank of India (Erstwhile Andhra Bank)
ADBN	Netbanking	Union Bank of India (Erstwhile Andhra Bank) - Corporate	Union Bank of India (Erstwhile Andhra Bank) - Corporate
		Union Bank of India (Erstwhile Corporation Bank)	Union Bank of India (Erstwhile Corporation Bank)
CRPM	Netbanking	Union Bank of India (Erstwhile Corporation Bank) - Corporate	Union Bank of India (Erstwhile Corporation Bank) - Corporate
UTSN	Netbanking	Utkarsh Small Finance Bank	Utkarsh Small Finance Bank
VRBN	Netbanking	Varachha Co-Operative Bank	Varachha Co-Operative Bank
VIJN	Netbanking	Vijaya Bank	Vijaya Bank
YESN	Netbanking	Yes Bank	Yes Bank
YESM	Netbanking	Yes Bank - Corporate	Yes Bank - Corporate
ZOBN	Netbanking	Zoroastrian Co-operative Bank	Zoroastrian Co-operative Bank
ICPL	PayLater	ICICI Pay Later	ICICI Pay Later
LZPY	PayLater	LazyPay	LazyPay
MBZP	PayLater	ZIP	ZIP
		Pharmarack	
PYMI	Credit Card	Pharmarack	Pharmarack Credit Card
MASP	Prepaid Card	Master	Master Prepaid Card
RUPP	Prepaid Card	Rupay	Rupay Prepaid Card
VISP	Prepaid Card	Visa	Visa Prepaid Card
UPII	UPI	Unified Payments Intent Interface	Unified Payments Intent Interface
UPIU	UPI	Unified Payments Interface	Unified Payments Interface
ATLW	Wallet	Airtel Money	Airtel Money
AMRW	Wallet	Airtel Money Rwanda	Airtel Money Rwanda
AMPW	Wallet	Amazon Pay	Amazon Pay
BKSW	Wallet	bKash Wallet	bKash Wallet
CITW	Wallet	Citibank Reward Points	Citibank Reward Points

DCBW	Wallet	DCB Cippy	DCB Cippy
EZCW	Wallet	ezeClick	ezeClick Wallet
FRCW	Wallet	FreeCharge	FreeCharge Wallet
IDMW	Wallet	Idea Money	Idea Money
JNCW	Wallet	Jana Cash	Jana Cash
MBKW	Wallet	Mobikwik	Mobikwik Wallet
VDFW	Wallet	mPesa Wallet	mPesa - Vodafone Wallet
MRPW	Wallet	mRupee	mRupee Wallet
MTIW	Wallet	MTN Côte d'Ivoire	MTN Côte d'Ivoire
MTRW	Wallet	MTN Rwanda	MTN Rwanda
OLAW	Wallet	Ola Money	Ola Money Wallet
ORGW	Wallet	Orange Money	Orange Money Wallet
OXIW	Wallet	Oxigen	Oxigen Wallet
PYCW	Wallet	Paycash	Paycash wallet
PTMW	Wallet	Paytm	Paytm wallet
PZAW	Wallet	Payzapp	Payzapp wallet
PHPW	Wallet	PhonePe	PhonePe wallet
PNBW	Wallet	PNB Wallet	PNB Wallet
JIOW	Wallet	Reliance JioMoney	Reliance Jio Money wallet
SBIW	Wallet	SBI Buddy	SBI Buddy
TMW			
W	Wallet	The Mobile Wallet	The Mobile Wallet
YESW	Wallet	Yes Pay	Yes Pay
YPAW	Wallet	YpayCash	YpayCash
ZIPW	Wallet	ZipCash	ZipCash