



Aggregating Payments Worldwide

Wallet API v1.0.5

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1. Check customer exists

Method

POST

API

Test <https://testwallet.aggrepaypayments.in/api/v1/checkcustomer>

Live <https://wallet.aggrepaypayments.in/api/v1/checkcustomer>

Description

Check if customer is already registered with your business. If it returns false, then try registering the customer (see subsequent APIs).

Parameters

Field	Description	Example Value	Type	Required
api_key			String	Mandatory
mobile_number			String	Mandatory
hash			String	Mandatory

Sample JSON response

1. SUCCESS - customer already exists

```
{
  "data": {
    "customer_exists": "true"
  },
  "error": null,
  "page": null,
  "hash":
  "29E707D2D0B5A9F9645A5BC011CA50C7D3DBD3AB8D7AE1767C426DD49594BB2BFB47F54F2ECF
  AB7C31E391F3FDC607637349203B0A0AAC58774D03E6C4C6351F"
}
```

2. SUCCESS - customer does not exist

```
{
  "data": {
    "customer_exists": "false"
  },
  "error": null,
  "page": null,
  "hash":
  "29E707D2D0B5A9F9645A5BC011CA50C7D3DBD3AB8D7AE1767C426DD49594BB2BFB47F54F2ECF
  AB7C31E391F3FDC607637349203B0A0AAC58774D03E6C4C6351F"
}
```

3. ERROR - Invalid mobile number

```
{
  "data": null,
  "error": {
    "code": "INVALID-PARAMS",
    "message": "The mobile number field contains an invalid number."
  },
  "page": null,
  "hash": null
}
```

4. ERROR - Invalid api key

```
{
  "data": null,
  "error": {
    "code": "UNAUTHORIZED",
    "message": "Unauthorized"
  },
  "page": null,
  "hash": null
}
```

5. ERROR - Hash mismatch

```
{
  "data": null,
  "error": {
    "code": "HASH-MISMATCH",
    "message": "Hash Mismatch"
  },
  "page": null,
  "hash": null
}
```

2. Register customer OTP

Method

POST

API

Test <https://testwallet.aggrepaypayments.in/api/v1/registrationotp>

Live <https://wallet.aggrepaypayments.in/api/v1/registrationotp>

Description

To Initiate registration, pass mobile number of the user to this api, it will automatically send anotp to that mobile number.

Parameters

Field	Description	Example Value	Type	Required
api_key			String	Mandatory
mobile_number			String	Mandatory
hash			String	Mandatory

Sample JSON response

1. OTP sent successfully

```
{
  "data": {
    "customer_exists": "false",
    "otp_sent": "true"
  },
  "error": null,
  "page": null,
  "hash":
  "91DA0D5A2E973D03CE326F915314983A856F1E7CE7F1CAB5E0DBD114318FD8955B965D527BE6
  CBF3B1148AD86858B736681A080F122160BBCC9B63F891160E7"
}
```

2. Already registered

```
{
  "data": {
    "customer_exists": "true",
    "otp_sent": "false"
  },
  "error": null,
  "page": null,
  "hash":
  "3203A500704E4DC610CF0D565384204D96CC66DB9DA00183FDC6B267D905E23D87B1F089E710
  60D011E66EF309026B36BADDB93E22D1C24E86E6E1ABAED59804"
}
```

3. ERROR –Request Hash Mismatch

```
{
  "data": null,
  "error": {
    "code": "HASH-MISMATCH",
    "message": "Hash Mismatch"
  },
  "page": null,
  "hash": null
}
```

4. ERROR - Invalid Input

```
{
  "data": null,
  "error": {
    "code": "INVALID-PARAMS",
    "message": "The mobile number field contains an invalid number."
  },
  "page": null,
  "hash": null
}
```

3. Register customer

Method

POST

API

Test <https://testwallet.aggrepaypayments.in/api/v1/registercustomer>

Live <https://wallet.aggrepaypayments.in/api/v1/registercustomer>

Description

You can register the customer using this api. You need to pass in the last received otp.

Parameters

Field	Description	Example Value	Type	Required
api_key			String	Mandatory
mobile_number			String	Mandatory
otp			Numeric	Mandatory
first_name			String	Mandatory
last_name			String	Mandatory
date_of_birth	YYYY-MM-DD		Date	Optional
mpin			Numeric	Mandatory
hash			String	Mandatory

Sample JSON response

1. SUCCESS – Successfully registered

```
{
  "data": {
    "customer_id": "784334610"
  },
  "error": null,
  "page": null,
  "hash":
  "11EC297E449B7CA148A26742AEBE804EBE2F8720DD66FC18AF77C19D7BDF109337A81364065D
  5792CC1B5EE54F964FA52AD1E6AF42AA389FE7464E1568EEE5C8"
}
```

2. ERROR - Invalid OTP

```
{
  "data": null,
  "error": {
    "code": "INVALID-OTP",
  }
}
```

```
    "message": "Invalid OTP"
  },
  "page": null,
  "hash": null
}
```

3. ERROR - Trying to register already registered mobile number

```
{
  "data": null,
  "error": {
    "code": "INVALID-INPUT-DATA",
    "message": "Invalid input Data"
  },
  "page": null,
  "hash": null
}
```

3. ERROR – required parameters

```
{
  "data": null,
  "error": {
    "code": "INVALID-PARAMS",
    "message": "The mpin field is required."
  },
  "page": null,
  "hash": null
}
```


4. Fetch Balance

Method

POST

API

Test <https://testwallet.aggrepaypayments.in/api/v1/fetchbalance>

Live <https://wallet.aggrepaypayments.in/api/v1/fetchbalance>

Description

Fetches balance of the customer wallet.

Parameters

Field	Description	Example Value	Type	Required
api_key			String	Mandatory
mobile_number			String	Mandatory
customer_id			Numeric	Optional
hash			String	Mandatory

Sample JSON response

1. SUCCESS

```
{
  "data": {
    "balance": "41.0",
    "customer_id": "546693304"
  },
  "error": null,
  "page": null,
  "hash":
  "9C4C884C45530BF31B7EEAB1D118D52B702F595A94478FDA9C4B47BC31961EFBF16E4634CD08
  C8AC8B30AE0C08433860C15218C20565CCDAF6D092A94DFA0F50"
}
```

2. ERROR - Invalid Parameter

```
{
  "data": null,
  "error": {
    "code": "INVALID-PARAMS",
    "message": "The mobile number field is required when customer id is not
  present."
  },
  "page": null,
  "hash": null
}
```

```
}
```

3. ERROR – Invalid mobile number

```
{  
  "data": null,  
  "error": {  
    "code": "INVALID-PARAMS",  
    "message": "The selected mobile number is invalid."  
  },  
  "page": null,  
  "hash": null  
}
```

4. ERROR – Invalid customer id

```
{  
  "data": null,  
  "error": {  
    "code": "INVALID-PARAMS",  
    "message": "The selected customer id is invalid."  
  },  
  "page": null,  
  "hash": null  
}
```

5. Credit Customer Wallet (Add funds to a wallet)

Method

POST

API

Test <https://testwallet.aggrepaypayments.in/api/v1/creditwallet>

Live <https://wallet.aggrepaypayments.in/api/v1/creditwallet>

Description

Credit a wallet with amount. Note, this API will need to be called immediately after a successful PG transaction.

Parameters

Field	Description	Example Value	Type	Required
api_key			String	Mandatory
to_mobile_number			String	Mandatory
to_customer_id			Numeric	Optional
amount			Decimal	Mandatory
description			String	Optional
merchant_transaction_id			String	Mandatory
pg_transaction_id			String	Mandatory
hash			String	Mandatory

Sample JSON response

1. SUCCESS - Wallet successfully loaded

```
{
  "data": {
    "transaction_id": 843033750
  },
  "error": null,
  "page": null,
  "hash":
"8390A312835B56A76CF040DD65261905D6B06766A0BEBB94FF6C16C20BCD15319B12F9986139
0E36C6DFB49BD0ED58E798BF9A9B1DFEECB4F685B434F87546CF"
}
```

2. ERROR – Invalid customer ID

```
{
  "data": null,
  "error": {
    "code": "INVALID-PARAMS",
    "message": "The selected customer id is invalid."
  },
  "page": null,
  "hash": null
}
```

```
}  
  
{  
  "data": null,  
  "error": {  
    "code": "NO-PG-TRANSACTION-RECORD-FOUND",  
    "message": "Pg transaction record not found."  
  },  
  "page": null,  
  "hash": null  
}
```

6. Debit CustomerWallet

Method

POST

API

Test <https://testwallet.aggrepaypayments.in/api/v1/debitwallet>

Live <https://wallet.aggrepaypayments.in/api/v1/debitwallet>

Description

Debit a customer's wallet and pay the merchant (this is a C2M transaction)

Parameters

Field	Description	Example Value	Data Type	Required
api_key			String	Mandatory
to_sub_merchant_id			Numeric	Optional
from_mobile_number			String	Mandatory
from_customer_id			Numeric	Optional
description			String	Optional
mpin			Numeric	Mandatory
amount			Decimal	Mandatory
merchant_transaction_id	Unique		String	Mandatory
hash			String	Mandatory

Sample JSON response

1. SUCCESS- C2M

```
{
  "data": {
    "transaction_id": 654561373
  },
  "error": null,
  "page": null,
  "hash":
  "ED8F1B280A1A1172B852BB5A616A7501D543BA8C891A0F6B661B14E0AEF1E2436FD60DED742F
  17A060AAEBD5DBDA2D833F62A6CD1C0CC4AF6C52C9C4F9FC902C"
}
```

2. ERROR - Not enough balance

```
{
  "data": null,
  "error": {
    "code": "INVALID-INPUT-DATA",
    "message": "Not enough balance in the account"
  },
}
```

```
    "page": null,  
    "hash": null  
  }
```

3. ERROR - Invalid MPIN

```
{  
  "data": null,  
  "error": {  
"code": "INVALID-MPIN",  
    "message": "Invalid MPIN"  
  },  
  "page": null,  
  "hash": null  
}
```

4. ERROR – merchant transaction ID is not unique

```
{  
  "data": null,  
  "error": {  
    "code": "INVALID-PARAMS",  
    "message": "The merchant transaction id has already been taken."  
  },  
  "page": null,  
  "hash": null  
}
```

7. Wallet to Wallet Transfer

Method

POST

API

Test <https://testwallet.aggrepaypayments.in/api/v1/wallettowallet>

Live <https://wallet.aggrepaypayments.in/api/v1/wallettowallet>

Description

Debit a customer's wallet and pay another customer (this is a C2C transaction)

Parameters

Field	Description	Example Value	Data Type	Required
api_key			String	Mandatory
from_mobile_number			String	Mandatory
to_mobile_number			String	Mandatory
description			String	Optional
mpin			Numeric	Mandatory
merchant_transaction_id	Unique		String	Mandatory
amount			Decimal	Mandatory
hash			String	Mandatory

Sample JSON response

1. SUCCESS - C2C

```
{
  "data": {
    "transaction_id": 689188022
  },
  "error": null,
  "page": null,
  "hash":
"C0551FF8ECECF4201BC895D6D22B572434AC10B55932E7250FAFAF42AC2B66B6794A630987CB
8F5D2A535756839AB7C7C5D87674376E2B760628658897DAAC5A"
}
```

2. ERROR – Invalid mpin

```
{
  "data": null,
  "error": {
"code": "INVALID-MPIN",
  "message": "Invalid MPIN"
}
```

```
  },  
  "page": null,  
  "hash": null  
}
```

3. ERROR – Not enough balance for transaction to go thru

```
{  
  "data": null,  
  "error": {  
    "code": "INSUFFICIENT-FUND",  
    "message": "Insufficient Fund"  
  },  
  "page": null,  
  "hash": null  
}
```

4. ERROR – Transaction Limit Exhausted

```
{  
  "data": null,  
  "error": {  
    "code": "TRANSACTION-LIMIT",  
    "message": "Daily Transaction Limit Reached"  
  },  
  "page": null,  
  "hash": null  
}
```


8. Fetch Success Transactions with Pagination

Method

POST

API

Test <https://testwallet.aggrepaypayments.in/api/v1/fetchtransactions>

Live <https://wallet.aggrepaypayments.in/api/v1/fetchtransactions>

Description

Fetch successful transactions for a customer. Note that page_number starts with 0 and page_size starts with 1.

Parameters

Field	Description	Example Value	Data Type	Required
api_key			String	Mandatory
mobile_number			String	Mandatory
customer_id			Numeric	Optional
page_number			Numeric	Mandatory
page_size			Numeric	Mandatory
hash			String	Mandatory

Sample JSON response

1. SUCCESS– got 3 transactions from page 1 (note that page number start from 0)

```
{
  "data": [
    {
      "amount": "1.0",
      "balance": 40,
      "transaction_type": "C2C",
      "payment_type": "DEBIT",
      "time": "2017-03-03 17:55:37",
      "transaction_id": 856313783,
      "merchant_transaction_id": null,
      "transaction_status": "PAYMENT_SUCCESS"
    },
    {
      "amount": "1.0",
      "balance": 41,
      "transaction_type": "C2C",
      "payment_type": "CREDIT",
      "time": "2017-03-03 10:00:29",
      "transaction_id": 484088025,
      "merchant_transaction_id": ABC131212,
      "transaction_status": "PAYMENT_SUCCESS"
    }
  ],
}
```

```
{
  "amount": "1.0",
  "balance": 40,
  "transaction_type": "C2C",
  "payment_type": "CREDIT",
  "time": "2017-03-03 09:38:01",
  "transaction_id": 807077865,
  "merchant_transaction_id": null,
  "transaction_status": "PAYMENT_SUCCESS"
}
],
"error": null,
"page": {
  "page_size": 3,
  "page_number": 1,
  "total_pages": 11,
  "total_elements": 32
},
"hash":
"AD08912D09EB904EDB460A18B0E58AEBABFD72D15E6D19236F88C4A3AECBB55AB5CE07DE05CF
AC367665EB9EB44533B6B1D661C7486107BF946BB720A7A5392A"
}
```

2. ERROR - Invalid mobile number

```
{
  "data": null,
  "error": {
    "code": "INVALID-PARAMS",
    "message": "The selected mobile number is invalid."
  },
  "page": null,
  "hash": null
}
```

3. No transactions for this customer

```
{
  "data": null,
  "error": null,
  "page": {
    "page_size": 3,
    "page_number": 1,
    "total_pages": 0,
    "total_elements": 0
  },
  "hash":
"178D5833717F6CEAA0A8E535525FA978B1243DE64D03C64C2944016C8542BD8303BD371A1016
A48549118880BDD961858BC3ECBDE40EFA0CBB50EF00BD837C47"
}
```

9. Fetch Success Transaction by Merchant transaction ID

Method

POST

API

Test <https://testwallet.aggrepaypayments.in/api/v1/fetchbymerchantransactionid>

Live <https://wallet.aggrepaypayments.in/api/v1/fetchbymerchantransactionid>

Description

Fetch details of a single successful transaction using unique merchant transaction id

Parameters

Field	Description	Example Value	Data Type	Required
api_key			String	Mandatory
merchant_transaction_id			String	Mandatory
hash			String	Mandatory

Sample JSON response

1. SUCCESS

```
{
  "data": {
    "amount": "4.0",
    "balance": 83,
    "transaction_type": "C2M",
    "payment_type": "DEBIT",
    "time": "2017-03-04 13:50:29",
    "transaction_id": 734203905,
    "merchant_transaction_id": "ABC122361",
    "transaction_status": "PAYMENT_SUCCESS"
  },
  "error": null,
  "page": null,
  "hash":
  "AB288CB6B68400DF780B2E6F64A9D53D60FE83A70CD2F5D530B94FF8A4EE6B09A2B17E70B3FE
  FA840B5706BF70852006D77EE28514B825EA5668D81A74833A98"
}
```

2. Invalid Merchant transaction ID

```
{
  "data": null,
  "error": {
    "code": "INVALID-PARAMS",
    "message": "The selected merchant transaction id is invalid."
  },
}
```

```
"page": null,  
"hash": null  
}
```

10. Fetch Success Transaction by Transaction ID

Method

POST

API

Test <https://testwallet.aggrepaypayments.in/api/v1/fetchbytransactionid>

Live <https://wallet.aggrepaypayments.in/api/v1/fetchbytransactionid>

Description

Fetch details of a single successful transaction using unique transaction id

Parameters

Field	Description	Example Value	Data Type	Required
api_key			String	Mandatory
transaction_id			String	Mandatory
hash			String	Mandatory

Sample JSON response

1. SUCCESS

```
{  
  "data": {  
    "amount": "4.0",  
    "balance": 83,  
    "transaction_type": "C2M",  
    "payment_type": "DEBIT",  
    "time": "2017-03-04 13:50:29",  
    "transaction_id": 734203905,  
    "merchant_transaction_id": "ABC122361",  
    "transaction_status": "PAYMENT_SUCCESS"  
  },  
  "error": null,  
  "page": null,  
  "hash":  
  "AB288CB6B68400DF780B2E6F64A9D53D60FE83A70CD2F5D530B94FF8A4EE6B09A2B17E70B3FE  
  FA840B5706BF70852006D77EE28514B825EA5668D81A74833A98"  
}
```

2. Invalid Merchant transaction ID

```
{  
  "data": null,  
  "error": {  
    "code": "INVALID-PARAMS",  
    "message": "The selected merchant transaction id is invalid."  
  }  
}
```

```
},  
"page": null,  
"hash": null  
}
```

11. Fetch Customer Details

Method

POST

API

Test <https://testwallet.aggrepaypayments.in/api/v1/fetchcustomerdetail>

Live <https://wallet.aggrepaypayments.in/api/v1/fetchcustomerdetail>

Description

Fetch all details of a customer by mobile number

Parameters

Field	Description	Example Value	Type	Required
api_key			String	Mandatory
mobile_number			String	Mandatory
customer_id			Numeric	Optional
hash			String	Mandatory

Sample JSON response

1. Success

```
{
  "data": {
    "customer_id": "575290695",
    "first_name": "Karmendra",
    "last_name": "S",
    "mobile_number": "+919900261104",
    "email_address": "sriram@piggy.in",
    "date_of_birth": null,
    "address_line_1": null,
    "address_line_2": null,
    "city": "chennai",
    "pincode": "123456",
    "description": null
  },
  "error": null,
  "page": null,
  "hash":
  "5391AEBD78491BC736796B5BFE6A709F91533C3A802E97D949AB39417B11EEA1CE7409CB9374E1EB7C6A87DB024E3168076F0EF1642C9DB4E8D3EEC48FF2E6A8"
}
```

2. Not a registered customer

```
{
  "data": null,
}
```

```
"error": {  
  "code": "INVALID-PARAMS",  
  "message": "The selected mobile number is invalid."  
},  
"page": null,  
"hash": null  
}
```

12. Update Customer Details

Method

POST

API

Test <https://testwallet.aggrepaypayments.in/api/v1/updatecustomer>

Live <https://wallet.aggrepaypayments.in/api/v1/updatecustomer>

Description

Update customer details using this API. mobile_number or customer_id is mandatory. Any one other field is required to be updated.

Parameters

Field	Description	Example Value	Type	Required
api_key			String	Mandatory
mobile_number			String	Mandatory
customer_id			Numeric	Optional
first_name			String	Optional
last_name			String	Optional
email_address			String	Optional
date_of_birth	YYYY-MM-DD		Date	Optional
address_line_1			String	Optional
address_line_2			String	Optional
city			String	Optional
pincode			Numeric	Optional
description			String	Optional
hash			String	Mandatory

Sample JSON response

1. SUCCESS - Customer Details Successfully updated

```
{
  "data": {
    "updated": "true"
  },
  "error": null,
  "page": null,
  "hash":
  "5BD01799FDF2801BE7863C971631A4B915C21F8617D67A5D842A529D78DEBF0C8E12066DFEC0
  C9DDFC6A09932C3853A6BEDF5F1C02FE86DE0009B921A8945267"
}
```

2. ERROR - Failed to update

```
{
```



```
"data": null,  
"error": null,  
"page": null,  
"hash": null  
}
```

3. ERROR – Invalid Input

```
{  
  "data": null,  
  "error": {  
    "code": "INVALID-PARAMS",  
    "message": "The date of birth does not match the format Y-m-d."  
  },  
  "page": null,  
  "hash": null  
}
```

13. Generate Customer OTP

Method

POST

API

Test <https://testwallet.aggrepaypayments.in/api/v1/customerotp>

Live <https://wallet.aggrepaypayments.in/api/v1/customerotp>

Description

Generate anOTP for customer for performing critical update, call this API before calling forgot mpin.

Parameters

Field	Description	Example Value	Type	Required
api_key			String	Mandatory
mobile_number			String	Mandatory
hash			String	Mandatory

Sample JSON response

1. SUCCESS – Otp successfully sent

```
{
  "data": {
    "customer_exists": "true",
    "otp_sent": "true"
  },
  "error": null,
  "page": null,
  "hash":
  "BD631F4F1559650C46D70C6D44BAD10315DCB6DF292943E12BD9205C96BAA4B1095B726AE615
  3DB05C57E9F60ED7A2293B7461D3B1379CA19931A37CED909795"
}
```

14. Forgot MPIN

Method

POST

API

Test <https://testwallet.aggrepaypayments.in/api/v1/forgotmpin>

Live <https://wallet.aggrepaypayments.in/api/v1/forgotmpin>

Description

API to reset MPIN based on OTP verification. Hence, before calling this API you need to call Generate Customer OTP API.

Parameters

Field	Description	Example Value	Type	Required
api_key			String	Mandatory
mobile_number			String	Mandatory
customer_id			Numeric	Optional
otp			Numeric	Mandatory
new_mpin			Numeric	Mandatory
hash			String	Mandatory

Sample JSON response

1. SUCCESS -

```
{
  "data": {
    "mpin_updated": "true"
  },
  "error": null,
  "page": null,
  "hash":
"C089FC9BA8887DCE39A8783F13C4A3AF8787B6C463BBA24A8541AC28370025A452365C007376
4238E607A9CBC57DDAD8351B3B4E0A906EB468185C046FC4D6B0"
}
```

2. ERROR - Invalid OTP

```
{
  "data": null,
  "error": {
    "code": "INVALID-OTP",
    "message": "Invalid OTP"
  },
  "page": null,
  "hash": null
}
```

3. ERROR - Not a registered Customer id

```
{
  "data": null,
  "error": {
    "code": "INVALID-PARAMS",
    "message": "The selected customer id is invalid."
  },
  "page": null,
  "hash": null
}
```

15. Change MPIN

Method

POST

API

Test <https://testwallet.aggrepaypayments.in/api/v1/changempin>

Live <https://wallet.aggrepaypayments.in/api/v1/changempin>

Description

Change MPIN of customer. Needs the old and new MPIN. It is strongly recommended to enforce double-entry (confirmation) of MPIN in the front-end interface.

Parameters

Field	Description	Example Value	Type	Required
api_key			String	Mandatory
mobile_number			String	Mandatory
customer_id			Numeric	Optional
old_mpin			Numeric	Mandatory
new_mpin			Numeric	Mandatory
hash			String	Mandatory

Sample JSON response

1. SUCCESS - MpinSuccessfully changed

```
{
  "data": {
    "mpin_updated": "true"
  },
  "error": null,
  "page": null,
  "hash":
  "C089FC9BA8887DCE39A8783F13C4A3AF8787B6C463BBA24A8541AC28370025A452365C007376
  4238E607A9CBC57DDAD8351B3B4E0A906EB468185C046FC4D6B0"
}
```

2. ERROR - Old Pin incorrect

```
{
  "data": null,
  "error": {
    "code": "INVALID-MPIN",
    "message": "Invalid MPIN"
  },
  "page": null,
  "hash": null
}
```

16. Add Sub Merchant

Method

POST

API

Test <https://testwallet.aggrepaypayments.in/api/v1/addsubmerchant>

Live <https://wallet.aggrepaypayments.in/api/v1/addsubmerchant>

Description

Add sub merchant.

Parameters

Field	Description	Example Value	Type	Required
api_key			String	Mandatory
mobile_number			String	Mandatory
email			String	Mandatory
name			String	Mandatory
account_number			String	Mandatory
account_name			String	Mandatory
ifsc_code			String	Mandatory
bank_name			String	Mandatory
bank_branch			String	Mandatory
hash			String	Mandatory

Sample JSON response

1. SUCCESS – Sub merchant successfully added

```
{
  "data": {
    "sub_merchant_id": 1
  },
  "error": null,
  "page": null,
  "hash":
  "CF097F4F15919F6B9619B0AAA08192DABA07BCEDD6DC13EF319774B59748C2F70D534F255F3C
  D6049C6641564202F8B7553F9515D9B7EA0C730EB472E4A23893"
}
```

2. ERROR – Mobile number incorrect

```
{
  "data": null,
  "error": {
    "code": "INVALID-PARAMS",
    "message": "The mobile number field is required."
  }
}
```

```
},  
"page": null,  
"hash": null  
}
```

17. Get Sub Merchants

Method

POST

API

Test <https://testwallet.aggrepaypayments.in/api/v1/getsubmerchants>

Live <https://wallet.aggrepaypayments.in/api/v1/getsubmerchants>

Description

Get list of all sub merchant for your merchants.

Parameters

Field	Description	Example Value	Type	Required
api_key			String	Mandatory
hash			String	Mandatory

Sample JSON response

1. SUCCESS – Sub merchant successfully fetched

```
{
  "data": {
    "id": 1,
    "name": "XYZ",
  },
  "error": null,
  "page": null,
  "hash":
"CF097F4F15919F6B9619B0AAA08192DABA07BCEDD6DC13EF319774B59748C2F70D534F255F3C
D6049C6641564202F8B7553F9515D9B7EA0C730EB472E4A23893"
}
```

2. ERROR – Sub merchant record not found

```
{
  "data": null,
  "error": {
    "code": "NO-SUB-MERCHANT-RECORD",
    "message": "Sub merchant details not found.",
  },
  "page": null,
  "hash": null
}
```


18.

17. Appendix

17.1 How to Calculate Hash on API request

To calculate hash, you will need the salt provided by Aggrepaypayments.

Hashing generation algorithm

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 SHA512 hashing algorithm and save the hash in secure_hash string
4. Convert the secure_hash string to upper case

Example PHP code to generate hash

```
/**
 * @paramarray $parameters
 * @paramstring $salt
 * @paramstring $hashing_method
 * @return null|string
 */
functiongenerateHashKey($parameters, $salt, $hashing_method= 'sha512')
{
    $secure_hash= null;
    ksort($parameters);
    $hash_data= $salt;
    foreach($parameters as $key =>$value) {
        if (strlen($value) >0) {
            $hash_data.= '|' . $value;
        }
    }

    if (strlen($hash_data) >0) {
        $secure_hash= strtoupper(hash($hashing_method, $hash_data));
    }

    return $secure_hash;
}
```

17.2 How to check the response Hash

It is important to make sure the response received from Aggrepaypayments is genuine, and to do so you will need to do a hash check on your server on receiving the response.

Every json response received has a field called hash. Sometimes it is null, which means it is not important to check hash for the response, but if there is a hash present please perform hash check as described below and make sure integrity of the response received from Aggrepaypayments AIPs.

To check hash, you will need the salt provided by Aggrepaypayments.

Hash checking algorithm

1. (To be updated)

Example PHP code to check hash

```
/**
 * @param $salt
 * @param $response_json
 * @return bool
 */
function responseHashCheck($salt, $response_json)
{
    /* Decode response json to array and capture and remove the hash, and then encode the
    response array back to json */
    $response_array= json_decode($response_json, true);

    /* If hash field is null no need to check hash for such response */
    if (is_null($response_array['hash'])) {
        return true;
    }

    $response_hash= $response_array['hash'];
    unset($response_array['hash']);
    $response_json= json_encode($response_array);

    /* Now we have response json without the hash */
    $calculated_hash= hashCalculate($salt, $response_json);

    return ($response_hash== $calculated_hash) ? true : false;
}

/**
 * @param $salt
 * @param $input_json
 * @return string
 */
function hashCalculate($salt, $input_json)
{
    /* Prepend salt with input json and calculate the hash using SHA512 */
    $hash_data= $salt . $input_json;
    $hash = strtoupper(hash('sha512', $hash_data));

    return $hash;
}
```

17.3 How to call Aggrepaypayments Wallet APIs

As these are http url APIs it can be called from any language. You need to make sure you are doing a form post.

In PHP we can use CURL to call Aggrepaypayments APIs as shown in the example below

Example: (To be updated).