**Common URL:** Address:PortNumber/IDigi

**1. Login**

**url:** common URL/login

**Method:** Post

a. For SuperAdmin:

**Request:**

{

"userID" : "Superadmin",

"password" : "Admin",

"source" : "mobile"

}

**Response:**

{

"result": "Success",

"Message": "Successfully Logged In",

"userDetails": {

"roleID": 1,

"blockID": 0,

"email": "",

"mobileNumber": "",

"communityID": 0,

"userName": "Idigitronics",

"ID": 1,

"customerID": 0,

"pendingTransactionID": 0,

"gas": **false**,

"water": **false**,

"energy": **false**

},

"token": "lgQwYHJiRa4=",

"transactedByID": 0,

"transactionID": 0

}

b. For Admin:

**Request:**

{

"userID" : "B Block",

"password" : "Admin",

"source" : "mobile"

}

**Response:**

{

"result": "Success",

"Message": "Successfully Logged In",

"userDetails": {

"roleID": 2, //this should be used as transactedbyroleid

"blockID": 3,

"email": "lakeside.helpdesk@asbl.in",

"mobileNumber": "7995025717",

"communityID": 2,

"userName": "B Block",

"ID": 22, //this should be used as transactedbyid and also as ID while sending payload through mobile

"customerID": 0,

"CustomerUniqueID": "NULL",

"communityName": "Ashok Lakeside",

"pendingTransactionID": 0,

"blockName": "B Block",

"gas": **false**,

"water": **false**,

"energy": **false**

},

"token": "lgQwYHJiRa4=",

"transactedByID": 0,

“token”: “abcdefghj”

}

c. For Customer:

**Request:**

{

"userID" : "ASBL10005",

"password" : "Admin",

"source" : "mobile"

}

**Response:**

{

"result": "Success",

"Message": "Successfully Logged In",

"userDetails": {

"roleID": 3, //this should be used as transactedbyroleid

"blockID": 4,

"email": "krishnaiahshiva@gmail.com",

"mobileNumber": "9573991386",

"houseNo": "A-901",

"communityID": 2,

"userName": "Mrs. Shiva Vimala Block1",

"ID": 28, //this should be used as transactedbyid and also as ID while sending payload through mobile

"customerID": 20,

"CustomerUniqueID": "ASBL10005",

"communityName": "Ashok Lakeside",

"pendingTransactionID": 0,

"blockName": "A Block",

"gas": **true**,

"water": **true**,

"energy": **false**

},

"token": "lgQwYHJiRa4=",

"transactedByID": 0,

“token”: “abcdefghj”

}

**2.Input Data from Mobile**

**url:** common URL/datafrommobile/{device\_eui}

**Method:** Post

**Request: (confirm with Amar) {should send the same format as sending to web app}**

// water 2233

{

“token”: “abcdefghj”, // token received in the response at the time of login should be sent here

"type": 1,

"sync\_time": "00:00:05",

"sync\_interval": 1440,

"pre\_post\_paid": 1,

"bat\_volt": 90,

"valve\_configuration": 1,

"valve\_live\_status": 1,

"credit": 0,

"tariff": 20.00,

"emergency\_credit": 40.00,

"min\_elapsed\_after\_valve\_trip": 10,

"reading": 30,

“ID”: 1, // ID received in the response at the time of login should be sent here

"status": {

"door\_open": 0,

"magnetic": 0,

"schedule\_disconnect": 0,

"rtc\_fault": 0,

"low\_bat": 0,

"low\_bal": 0,

"nfc\_tamper: 0

}

}

// gas 1122

{

“token”: “abcdefghj”, // token received in the response at the time of login should be sent here

"type": 2,

"sync\_time": "00:00:05",

"sync\_interval": 1440,

"pre\_post\_paid": 0,

"bat\_volt": 90,

"valve\_configuration": 1,

"valve\_live\_status": 1,

"credit": 300,

"tariff": 10.00,

"emergency\_credit": 20.00,

"min\_elapsed\_after\_valve\_trip": 10,

"reading": 10,

“ID”: 1, // ID received in the response at the time of login should be sent here

"status": {

"door\_open": 0,

"magnetic": 0,

"schedule\_disconnect": 0,

"rtc\_fault": 0,

"low\_bat": 0,

"low\_bal": 0,

"nfc\_tamper: 0

}

}

**Response:**

{

"result": "Success",

"Message": "Data Inserted Successfully"

}

**3.to Generate transaction id for topup**

**url:** common URL/topup

**Method:** Post

**Request:**

{

"source" : "mobile",

"CustomerUniqueID" : "ASBL10005",

"customerMeterID" : 39,

"miuID" : "506f980000000b2e",

"amount" : 200,

"modeOfPayment" : "cash",

"transactedByID" : 1,

"transactedByRoleID" : 1

}

**Response:**

{

"result": "Success",

"Message": "Topup Request Submitted/Raised Successfully",

"paymentMode": "Cash",

"transactedByID": 0,

"transactionID": 7

}

**4.Input Data after recharge**

**url:** common URL/datafrommobile/recharge/{device\_eui}

**Method:** Post

**Request: (confirm with Amar)** **{should send the same format as sending to we app}**

// water 2233

{

“token”: “abcdefghj” // token received in the response at the time of login should be sent here

“transaction\_id” = 1234,

“cmd\_status” = 0,

"type": 1,

"sync\_time": "00:00:05",

"sync\_interval": 1440,

"pre\_post\_paid": 1,

"bat\_volt": 90,

"valve\_configuration": 1,

"valve\_live\_status": 1,

"credit": 0,

"tariff": 20.00,

"emergency\_credit": 40.00,

"min\_elapsed\_after\_valve\_trip": 10,

"reading": 30,

“ID”: 1, // ID received in the response at the time of login should be sent here

"status": {

"door\_open": 0,

"magnetic": 0,

"schedule\_disconnect": 0,

"rtc\_fault": 0,

"low\_bat": 0,

"low\_bal": 0,

"nfc\_tamper: 0

}

}

// gas 1122

{

“token”: “abcdefghj” // token received in the response at the time of login should be sent here

“transaction\_id” = 1234,

“cmd\_status” = 0,

"type": 2,

"sync\_time": "00:00:05",

"sync\_interval": 1440,

"pre\_post\_paid": 0,

"bat\_volt": 90,

"valve\_configuration": 1,

"valve\_live\_status": 1,

"credit": 300,

"tariff": 10.00,

"emergency\_credit": 20.00,

"min\_elapsed\_after\_valve\_trip": 10,

"reading": 10,

“ID”: 1, // ID received in the response at the time of login should be sent here

"status": {

"door\_open": 0,

"magnetic": 0,

"schedule\_disconnect": 0,

"rtc\_fault": 0,

"low\_bat": 0,

"low\_bal": 0,

"nfc\_tamper: 0

}

}

**Response:**

{

"result": "Success",

"Message": "Data Inserted Successfully"

}

**5.Device Validation**

**url:** common URL/customer/{miuID}

**Method:** GET

**Response:**

{

"result": "Success",

"Message": "Customer Details Retrieved Successfully",

"customerDetails": {

"customerID": 20,

"communityName": "Ashok Lakeside",

"blockName": "A Block",

"houseNumber": "A-901",

"CustomerUniqueID": "ASBL10005",

"firstName": "Mrs. Shiva Vimala",

"lastName": "Block1",

"email": "krishnaiahshiva@gmail.com",

"mobileNumber": "9573991386",

"date": "2023/03/09 17:29:13",

"requestID": 0,

"action": **false**,

"meterDetails": {

"customerMeterID": 39,

"miuID": "506f980000000b2e",

"meterSerialNumber": "20004666",

"meterType": "Water",

"meterSize": 25.0,

"meterSizeID": 0,

"meterIDSize": 2,

"payType": "Postpaid",

"tariffID": 1,

"tariff": "0.015",

"gatewayID": 3,

"gatewayName": "ASBLTowerB",

"location": "Hall2",

"thresholdMaximum": 5000.0,

"thresholdMinimum": 10.0,

"tariffName": "tariff1",

"availableBalance": "---"

}

},

"transactedByID": 0

}

**Response:** In case device is not registered

{

"result": "Failure",

"Message": "MIUID is not registered with any Customer"

}

**6.Downloading Recharge transaction receipt**

**url:** common URL//status/print/{transactionID} //transactionid is the id sent on topup request thru api no. 3

**Method:** GET

**Response:**

Pdf will be downloaded

**7.Input Data from BLE module**

**url:** common URL/datafromble/{device\_eui}

**Method:** Post

**Request: (confirm with Amar) {should send the same format as sending to web app}**

// water 2233

{

"token": "K40wnjUediw=", // token received in the response at the time of login should be sent here

"type": 1,

"pre\_post\_paid": 0,

"bat\_volt": 90,

"credit": 8.00,

"emergency\_credit": 40.00,

"reading": 5,

"ID": 1 // ID received in the response at the time of login should be sent here

}

**Response:**

{

"result": "Success",

"Message": "Data Inserted Successfully"

}