**IDIGI**

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

**url:** common URL/

**Method:**

**Request:**

**Response:**

**1. Login**

**url:** common URL/login

**Method:** Post

a. For SuperAdmin:

**Request:**

{

"userID":"Superadmin",

"password":"Admin",

“source” : “web”

}

**Response:**

{

"result": "Success",

"Message": "Successfully Logged In",

"userDetails": {

"roleID": 1,

"blockID": 0,

"email": "",

"mobileNumber": "",

"communityID": 0,

"userName": "Idigitronics",

"ID": 1,

"customerID": 0,

"pendingCommandType": 0,

"pendingTransactionID": 0

}

}

b. For Admin:

**Request:**

{

"userID" : "kvkadmin",

"password" : "Admin",

"source" : "web"

}

**Response:**

{

"result": "Success",

"Message": "Successfully Logged In",

"userDetails": {

"roleID": 2,

"blockID": 1,

"email": "vimal\_smyle2006@yahoo.com",

"mobileNumber": "8498890001",

"communityID": 1,

"userName": "Kvk",

"ID": 2,

"customerID": 0,

"communityName": "Idigi",

"pendingCommandType": 0,

"pendingTransactionID": 0,

"blockName": "idigiblock"

}

}

c. For Customer:

**Request:**

{

"userID" : "IDIGI1",

"password" : "Admin",

"source" : "web"

}

**Response:**

{

"result": "Success",

"Message": "Successfully Logged In",

"userDetails": {

"roleID": 3,

"blockID": 1,

"email": "kvk9889@gmail.com",

"mobileNumber": "8498890000",

"communityID": 1,

"userName": "Vimal Kumar",

"ID": 3,

"customerID": 1,

"CustomerUniqueID": "IDIGI1",

"communityName": "Idigi",

"pendingTransactionID": 0,

"blockName": "idigiblock"

}

}

d. For SuperAdminSupervisor:

**Request:**

{

"userID":"Superadminsupervisor",

"password":"Admin"

}

**Response:**

{

"result": "Success",

"Message": "Successfully Logged In",

"userDetails": {

"roleID": 4,

"blockID": 0,

"email": "",

"mobileNumber": "",

"communityID": 0,

"userName": "Idigisuperadminsupervisor",

"ID": 4,

"customerID": 0,

"pendingTransactionID": 0

}

}

e. For Adminsupervisor:

**Request:**

{

"userID":"Adminsupervisor",

"password":"Admin"

}

**Response:**

{

"result": "Success",

"Message": "Successfully Logged In",

"userDetails": {

"roleID": 5,

"blockID": 1,

"email": "vimal\_smyle2006@yahoo.com",

"mobileNumber": "8498890001",

"communityID": 1,

"userName": "Kvkadminsupervisor",

"ID": 5,

"customerID": 0,

"communityName": "Idigi",

"pendingTransactionID": 0,

"blockName": "idigiblock"

}

}

**2. Community**

**a.** to retrieve the list of communities

**url:** common URL/community/{roleid}/{id}

**Method:** GET

**Response:**

{

"communityID": 0,

"data": [

{

"communityName": "Idigi",

"email": "vimal\_smyle2006@yahoo.com",

"mobileNumber": "8498890000",

"address": "hyderabad",

"communityID": 1

}

]

}

**b.** to add community

**url:** common URL/community/add

**Method:** POST

**Request:**

{

"communityName": "TestCommunity1",

"email": "testcommunity1@gmail.com",

"mobileNumber": "9876543211",

"address": "Hyderabad"

}

**Response:**

{

"result": "Success"

}

**c.** toedit Community details

**url:** common URL/community/edit/{communityid}

**Method:** POST

**Request:**

{

"communityName": "TestCommunity1",

"email": "testcommunity1@gmail.com",

"mobileNumber": "9876543211",

"address": "Hyderabaaad"

}

**Response:**

{

"result": "Success"

}

**3. Gateway**

a. to retrieve list of gateways

**url:** common URL/gateway

**Method:** GET

**Response:**

{

"gatewayID": 0,

"data": [

{

"gatewayID": 1,

"gatewayName": "Gateway1",

"gatewaySerialNumber": "123",

"gatewayIP": "123.123.123.123",

"gatewayPort": "1234",

"modifiedDate": "17-May-2021 23:23:12"

}

]

}

b. to add a gateway

**url:** common URL/gateway/add

**Method:** POST

**Request:**

{

"gatewayName" : "gateway1",

"gatewaySerialNumber" : "123",

"gatewayIP" : "123.123.123.123",

"gatewayPort" : 1234

}

**Response:**

{

"result": "Success"

}

c. to edit a gateway

**url:** common URL/gateway/edit/{gatewayID}

**Method:** POST

**Request:**

{

"gatewayName" : "gateway1",

"gatewaySerialNumber" : "123",

"gatewayIP" : "123.123.123.123",

"gatewayPort" : 1234

}

**Response:**

{

"result": "Success"

}

d. to delete a gateway

**url:** common URL/gateway/{gatewayID}

**Method:** POST

**Response:**

{

"result": "Success"

}

**4. Block**

a. to retrieve list of blocks

**url:** common URL/block/{roleid}/{id}

**Method:** GET

**Response:**

{

"data": [

{

"communityName": "Idigi",

"blockName": "idigiblock",

"Location": "secunderabad",

"email": "vimal\_smyle2006@yahoo.com",

"mobile": "8498890001",

"blockID": 1

}

],

"blockID": 0

}

b. to add a block

**url:** common URL/block/add

**Method:** POST

**Request:**

{

"blockName": "Demoblock1",

"location": "Hyderabad",

"mobileNumber": "9876543211",

"email": "Demoblock1@gmail.com",

"communityID": 2

}

**Response:**

{

"result": "Success"

}

c. to edit a block

**url:** common URL/block/edit/{id}

**Method:** POST

**Request:**

{

"blockName": "Demoblock1",

"location": "Hyderabaaaaad",

"mobileNumber": "9876543211",

"email": "Demoblock1@gmail.com"

}

**Response:**

{

"result": "Success"

}

d. to delete a block

**url:** common URL/block/delete/{id}

**Method:** POST

**Response:**

{

"result": "Success"

}

**5. Customer**

a. to retrieve list of Customers

**url:** common URL/customer/{roleid}/{id}/{filterCid}

**Method:** GET

**Response:**

{

"customerID": 0,

"requestID": 0,

"data": [

{

"customerID": 2,

"communityName": "Idigi",

"blockName": "idigiblock",

"houseNumber": "102",

"CustomerUniqueID": "IDIGI2",

"firstName": "vml",

"lastName": "kvk",

"email": "vimal\_smyle2006@yahoo.com",

"mobileNumber": "8498890000",

"date": "2021/05/23 16:30:30",

"createdByUserName": "Idigitronics",

"createdByRoleDescription": "Super Admin",

"requestID": 0

"meters": [

{

"customerMeterID": 5,

"miuID": "5566",

"meterSerialNumber": "55667788",

"meterType": "Gas",

"meterSize": 0,

"payType": "Prepaid",

"tariffID": 1,

"gatewayID": 1,

"gatewayName": "Gateway1",

"location": "Kitchen",

"tariffName": "tariff1"

}

]

},

{

"customerID": 1,

"communityName": "Idigi",

"blockName": "idigiblock",

"houseNumber": "101",

"CustomerUniqueID": "IDIGI1",

"firstName": "Vimal",

"lastName": "Kumar",

"email": "kvk9889@gmail.com",

"mobileNumber": "8498890000",

"date": "2021/05/18 14:26:45",

"createdByUserName": "Kvk",

"createdByRoleDescription": "Admin",

"requestID": 0,

"meters": [

{

"customerMeterID": 1,

"miuID": "1122",

"meterSerialNumber": "11223344",

"meterType": "Gas",

"meterSize": 0,

"payType": "Prepaid",

"tariffID": 1,

"gatewayID": 1,

"gatewayName": "Gateway1",

"location": "Kitchen",

"tariffName": "tariff1"

},

{

"customerMeterID": 2,

"miuID": "2233",

"meterSerialNumber": "22334455",

"meterType": "Water",

"meterSize": 0,

"payType": "Postpaid",

"tariffID": 2,

"gatewayID": 1,

"gatewayName": "Gateway1",

"location": "Bathroom",

"tariffName": "tariff2"

},

{

"customerMeterID": 3,

"miuID": "3344",

"meterSerialNumber": "33445566",

"meterType": "Water",

"meterSize": 0,

"payType": "Postpaid",

"tariffID": 3,

"gatewayID": 1,

"gatewayName": "Gateway1",

"location": "Bedroom",

"tariffName": "tariff3"

},

{

"customerMeterID": 4,

"miuID": "4455",

"meterSerialNumber": "44556677",

"meterType": "Water",

"meterSize": 0,

"payType": "Postpaid",

"tariffID": 2,

"gatewayID": 1,

"gatewayName": "Gateway1",

"location": "Washarea",

"tariffName": "tariff2"

}

]

}

]

}

b. to add a customer

**url:** common URL/customer/add

**Method:** POST

**Request:**

{

"communityID": 2,

"blockID": 5,

"houseNumber": "502",

"firstName": "Demo502",

"lastName": "Customer502",

"email": "democustomer502@gmail.com",

"mobileNumber": "9876598765",

"meterID": "5002",

"tariffID" : 2,

"meterSerialNumber":"6789",

"defaultReading":"0",

"CRNNumber":"han202009",

"createdByID": 1,

"loggedInRoleID" : 1,

"loggedInUserID" : "Superadmin"

}

**Response:**

{

"result": "Success"

}

c.to edit a customer

**url:** common URL/customer/edit/{customerid}

**Method:** POST

**Request:**

{

"communityID": 2,

"blockID": 5,

"houseNumber": "501",

"firstName": "Demo",

"lastName": "Customer",

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

"mobileNumber": "6666666666",

"meterID": "5001",

"meterSerialNumber":"5678",

"defaultReading":"100"

}

**Response:**

{

"result": "Success"

}

d. to delete a customer

**url:** common URL/customer/delete/{customerid}

**Method:** POST

**Response:**

{

"result": "Success"

}

**6. Tariff**

a. to retrieve list of Tariffs

**url:** common URL/tariff

**Method:** GET

**Response:**

{

"tariffID": 0,

"data": [

{

"tariffID": 1,

"tariff": "30.0",

"emergencyCredit": "10.0",

"alarmCredit": "15.0",

"fixedCharges": "25.0",

"RegisteredDate": "2020-04-04 23:06:14"

},

{

"tariffID": 2,

"tariff": "40.0",

"emergencyCredit": "20.0",

"alarmCredit": "10.0",

"fixedCharges": "10.0",

"RegisteredDate": "2020-04-07 00:13:09"

}

]

}

b. to add a Tariff

**url:** common URL/tariff/add

**Method:** POST

**Request:**

{

"tariff": 40,

"emergencyCredit": 20,

"alarmCredit": 10,

"fixedCharges": 10

}

**Response:**

{

"result": "Success"

}

**7. Alert**

a. to retrieve list of alerts

**url:** common URL/alert

**Method:** GET

**Response:**

{

"alertID": 0,

"perUnitValue": 0.0,

"reconnectionCharges": 0,

"lateFee": 0,

"GST": 0,

"dueDayCount": 0,

"data": [

{

"alertID": 1,

"noAMRInterval": "2880",

"timeOut": "330",

"registeredDate": "2021/05/18 18:52:37",

"perUnitValue": 2.4,

"reconnectionCharges": 50,

"lateFee": 50,

"GST": 9,

"dueDayCount": 10

}

]

}

b. to add an alert

**url:** common URL/alert/add

**Method:** POST

**Request:**

{

"noAMRInterval": 1442,

"lowBatteryVoltage": 3.30,

"timeOut": 330,

"perUnitValue": 2.4,

"reconnectionCharges": 50,

"lateFee": 50,

"GST": 9,

"dueDayCount": 10

}

**Response:**

{

"result": "Success"

}

c. to edit an alert

**url:** common URL/alert/edit/{alertID}

**Method:** POST

**Request:**

{

"noAMRInterval": 1442,

"lowBatteryVoltage": 3.35,

"timeOut": 330,

"perUnitValue": 2.4,

"reconnectionCharges": 50,

"lateFee": 50,

"GST": 9,

"dueDayCount": 10

}

**Response:**

{

"result": "Success"

}

**8. User**

a. to retrieve list of all users

**url:** common URL/user/{roleid}/{id}

**Method:** GET

**Response:**

{

"ID": 0,

"data": [

{

"ID": 1,

"userID": "Superadmin",

"userName": "Hanbit",

"role": "Super Admin",

"createdByUserName": "NA",

"createdByRoleDescription": "NA",

"communityName": "NA",

"blockName": "NA"

},

{

"ID": 4,

"userID": "Superadminsupervisor",

"userName": "HanbitSuperadminsupervisor",

"role": "SuperAdminSupervisor",

"createdByUserName": "Hanbit",

"createdByRoleDescription": "Super Admin",

"communityName": "NA",

"blockName": "NA"

},

{

"ID": 2,

"userID": "kvkadmin",

"userName": "Kvk",

"role": "Admin",

"createdByUserName": "Hanbit",

"createdByRoleDescription": "Super Admin",

"communityName": "TestCommunity",

"blockName": "DemoBlock"

},

{

"ID": 3,

"userID": "Vimal",

"userName": "Vimal Kumar",

"role": "User",

"createdByUserName": "Kvk",

"createdByRoleDescription": "Admin",

"communityName": "TestCommunity",

"blockName": "DemoBlock"

},

{

"ID": 5,

"userID": "Adminsupervisor",

"userName": "KvkAdminsupervisor",

"role": "AdminSupervisor",

"createdByUserName": "Hanbit",

"createdByRoleDescription": "Super Admin",

"communityName": "TestCommunity",

"blockName": "DemoBlock"

}

]

}

b. to add a user

**url:** common URL/user/add

**Method:** POST

**Request:**

{

"communityID": 2,

"blockID": 3,

"userID": "Demoblock1",

"userName": "Sri babu",

"userPassword": "Admin",

"confirmPassword": "Admin",

"roleID": 5,

"loggedInRoleID" : 1, // you need to send the ‘ID’ from the login response json

"loggedInUserID" : "Superadmin" // UserID(loginID) should be sent here.

}

**Response:**

{

"result": "Success"

}

c. to change password

**url:** common URL/changepassword/{userID}

**Method:** POST

**Request:**

{

"oldPassword": "Admin",

"newPassword": "Admin1"

}

**Response:**

{

"result": "Success"

}

**9. Dropdowns**

a. to retrieve list of Communites

**url:** common URL/communities/{roleID}/{id}

**Method:** GET

**Response:**

{

"dropDownCommunities": {

"1": "Idigi"

}

}

b. to retrieve list of blocks of a particular community

**url:** common URL/blocks/{roleID}/{id}/{communityID}

**Method:** GET

**Response:**

{

"dropDownBlocks": {

"1": "idigiblock"

}

}

c. to retrieve list of HouseNos/Customers of a particular Block

**url:** common URL/customers/{roleID}/{id}/{blockID}

**Method:** GET

**Response:**

{

"dropDownCustomers": {

“1”: " IDIGI1"

}

}

d. to retrieve list of Meters assigned to a particular Customer

**url:** common URL/customermeters/{payType}/{customerUniqueID}

**Method:** GET

**Response:**

{

"dropDownCustomerMeters": {

"2": "2233",

"3": "3344",

"4": "4455"

}

}

e. to retrieve list of topupdetails of a particular Customer

**url:** common URL/topupdetails/{customerUniqueID}/{CustomerMeterID}

**Method:** GET

**Response:**

{

"topupdetails": {

"miuID": "1122",

"currentBalance": 100.0,

"tariffName": "tariff1",

"emergencyCredit": 20.0,

"alarmCredit": 30.0,

"tariff": 10.0,

"tariffID": 1,

"reconnectionCharges": 50,

"fixedCharges": 50,

"noOfMonths": 0,

"customerMeterID": 1

}

}

f. to retrieve bill details of a particular Customer

**url:** common URL/billdetails/{customerUniqueID}

**Method:** GET

**Response:**

{

"billdetails": {

"customerBillingID": 3,

"totalConsumption": 58.0,

"totalAmount": 1276.6,

"billAmount": 870.0,

"taxAmount": 156.6,

"previousDues": 0.0,

"lateFee": 250,

"dueDate": "2021-09-12",

"billingDate": "2021-09-02 02:06:30",

"billMonth": "August",

"billYear": 2021

}

}

g. to retrieve list of meter sizes

**url:** common URL/metersizes/{type} // type = Gas or Water

**Method:** GET

**Response:**

{

"dropDownMeterSizes": {

"1": "40"

}

}

h. to retrieve entire list of Meters assigned to a particular Customer

**url:** common URL/customermeters/{customerUniqueID}

**Method:** GET

**Response:**

{

"dropDownAllCustomerMeters": {

"2": "2233",

"3": "3344",

"4": "4455"

}

}

**10. Approval**

**url:** common URL/customerupdatesrequest/{blockid}

**Method:** GET

**Response:**

{

"customerID": 0,

"createdByID": 0,

"createdByRoleID": 0,

"requestID": 0,

"data": [

{

"customerID": 0,

"houseNumber": "302",

"firstName": "Bharatttttt",

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

"mobileNumber": "7777777777",

"createdByID": 0,

"createdByRoleID": 0,

"userID": "bhrtsrm",

"requestID": 2

}

]

}

b. to approve/reject customer request

**url:** common URL/approverequest/{requestID}/{action}

**Method:** POST

**Response:**

{

"result": "Success"

}

**11. UserConsumptionReports**

**url:** common URL/userconsumptionreports/{type} //type = “Tabular” or “Graph”

**Method:** POST

**Request:**

{

"customerUniqueID" : "IDIGI1",

"fromDate" : "2021-05-05 00:00",

"toDate" : "2021-06-05 23:59",

"year" : 2021,

"fromMonth" : 1,

"toMonth" : 5

}

**Response:**

{

"reading": 0.0,

"balance": 0.0,

"battery": 0.0,

"tariff": 0.0,

"alarmCredit": 0.0,

"emergencyCredit": 0.0,

"data": [

{

"customerUniqueID": "IDIGI1",

"miuID": "1122",

"reading": 5.0,

"balance": 100.0,

"battery": 90.0,

"tariff": 10.0,

"alarmCredit": 0.0,

"emergencyCredit": 20.0,

"dateTime": "2021/05/18 18:37:12"

},

{

"customerUniqueID": "IDIGI1",

"miuID": "3344",

"reading": 59.0,

"balance": 0.0,

"battery": 90.0,

"tariff": 20.0,

"alarmCredit": 0.0,

"emergencyCredit": 40.0,

"dateTime": "2021/05/29 20:58:02"

},

{

"customerUniqueID": "IDIGI1",

"miuID": "3344",

"reading": 62.0,

"balance": 0.0,

"battery": 90.0,

"tariff": 20.0,

"alarmCredit": 0.0,

"emergencyCredit": 40.0,

"dateTime": "2021/06/01 20:58:06"

}

]

}

**12. Configuration**

a. to retrieve the list of configurations

**url:** common URL/configuration/{roleid}/{id}/{filterCid}

**Method:** GET

**Response:**

{

"data": [

{

"miuID": "1122",

"commands": [

{

"commandType": "Tariff",

"value": "1",

"modifiedDate": "2021-05-23 15:21:09",

"status": "Pending"

}

],

"transactionID": 3

},

{

"miuID": "1122",

"commands": [

{

"commandType": "Tariff",

"value": "2",

"modifiedDate": "2021-05-23 15:15:22",

"status": "Passed"

}

],

"transactionID": 2

}

],

"transactionID": 0

}

b. to add a configuration

**url:** common URL/configuration/add

**Method:** POST

**Request:**

{

"communityID" : 1,

"blockID" : 1,

"customerID" : 1,

"customerUniqueID" : "IDIGI1",

"miuID": "1122",

"customerMeterID" : 1,

"commands" : [

{

"parameter\_id" : 3,

"value" : "1"

}

]

}

**Response:**

{

"result": "Success",

"Message": "Command Request Submitted Successfully"

}

**13. Dashboard**

a. to retrieve the list of dashboard

**url:** common URL/dashboard/{type}/{communityName}/{blockName}/{customerUniqueID}/{filter}

**Method:** GET

**Response:**

{

"nonCommunicating": 1,

"communicating": 2,

"total": 3,

"data": [

{

"communityName": "Idigi",

"blockName": "idigiblock",

"HouseNumber": "101",

"firstName": "Vimal",

"lastName": "Kumar",

"customerUniqueID": "IDIGI1",

"nonCommunicating": 1,

"communicating": 0,

"total": 0,

"dasboarddata": [

{

"miuID": "1122",

"customerMeterID": 1,

"meterSerialNumber": "11223344",

"reading": 55.0,

"consumption": 132,

"balance": 50.0,

"emergencyCredit": 20.0,

"battery": 90,

"valveStatus": "CLOSED",

"valveStatusColor": "RED",

"tariff": 10.0,

"doorOpenTamper": "NO",

"magneticTamper": "NO",

"timeStamp": "2021/05/27 15:03:16",

"dateColor": "RED",

"batteryColor": "GREEN",

"communicationStatus": "NO",

"dooropentamperColor": "GREEN",

"magnetictamperColor": "GREEN",

"vacationStatus": "NO",

"vacationColor": "BLACK",

"lastTopupAmount": 0

}

]

},

{

"communityName": "Idigi",

"blockName": "idigiblock",

"HouseNumber": "102",

"firstName": "vml",

"lastName": "kvk",

"customerUniqueID": "IDIGI2",

"nonCommunicating": 1,

"communicating": 0,

"total": 0,

"dasboarddata": []

},

{

"communityName": "Idigi",

"blockName": "idigiblock",

"HouseNumber": "1003",

"firstName": "bharat",

"lastName": "sriram",

"customerUniqueID": "IDIGI3",

"nonCommunicating": 1,

"communicating": 0,

"total": 0,

"dasboarddata": []

}

]

}

**14. Financial Reports**

**url:** common URL/financialreports/{roleid}/{id}

**Method:** POST

**Request:**

{

"communityID" : 1,

"blockID" : 1,

"payType" : "Prepaid",

"year" : 2021,

"month" : 0

}

**Response:**

{

"totalAmount": 0.0,

"totalAmountForSelectedPeriod": 0.0,

"totalUnits": 0.0,

"totalUnitsForSelectedPeriod": 50.0,

"data": [

{

"communityName": "Idigi",

"blockName": "idigiblock",

"houseNumber": "101",

"totalAmount": 0.0,

"totalAmountForSelectedPeriod": 0.0,

"totalUnits": 50.0,

"totalUnitsForSelectedPeriod": 0.0

},

{

"communityName": "Idigi",

"blockName": "idigiblock",

"houseNumber": "102",

"totalAmount": 0.0,

"totalAmountForSelectedPeriod": 0.0,

"totalUnits": 0.0,

"totalUnitsForSelectedPeriod": 0.0

},

{

"communityName": "Idigi",

"blockName": "idigiblock",

"houseNumber": "1003",

"totalAmount": 0.0,

"totalAmountForSelectedPeriod": 0.0,

"totalUnits": 0.0,

"totalUnitsForSelectedPeriod": 50.0

}

]

}

**Request:**

{

"communityID" : 1,

"blockID" : 1,

"payType" : "Postpaid",

"year" : 2021,

"month" : 0

}

**Response:**

{

"totalAmount": 0.0,

"totalAmountForSelectedPeriod": 212.4,

"totalUnits": 0.0,

"totalUnitsForSelectedPeriod": 105.0,

"data": [

{

"communityName": "Idigi",

"blockName": "idigiblock",

"houseNumber": "101",

"totalAmount": 212.4,

"totalAmountForSelectedPeriod": 212.4,

"totalUnits": 105.0,

"totalUnitsForSelectedPeriod": 105.0

}

]

}

**15. TopupSummary**

**url:** common URL/topupsummary

**Method:** POST

**Request:**

{

"communityID" : 1,

"blockID" : 1,

"customerUniqueID" : "IDIGI1",

"fromDate" : "2021-04-01",

"toDate" : "2021-06-05"

}

**Response:**

{

"transactionID": 0,

"rechargeAmount": 0,

"data": [

{

"houseNumber": "1234",

"customerUniqueID ": " IDIGI1",

"meterID": "70b3d5f830004fb5",

"firstName": "Mamatha",

"lastName": "Hanbit",

"transactionID": 24,

"rechargeAmount": 500,

"status": "Passed",

"modeOfPayment": "Cash",

"razorPayRefundID": "---",

"RazorPayRefundStatus": "---",

"paymentStatus": "PAID",

"transactedByUserName": "finaltest",

"transactedByRoleDescription": "Admin",

"dateTime": "05:29:2020,22:26:05"

},

{

"houseNumber": "1234",

" customerUniqueID ": " IDIGI1",

"meterID": "70b3d5f830004fb5",

"firstName": "Mamatha",

"lastName": "Hanbit",

"transactionID": 25,

"rechargeAmount": 500,

"status": "Pending...waiting for acknowledge",

"modeOfPayment": "Online",

"razorPayOrderID": "order\_ExqygeDXr2zLDK",

"razorPayRefundID": "---",

"RazorPayRefundStatus": "---",

"paymentStatus": "NOT PAID",

"transactedByUserName": "Hanbit",

"transactedByRoleDescription": "Super Admin",

"dateTime": "06:02:2020,23:54:08"

},

{

"houseNumber": "1234",

" customerUniqueID ": "IDIGI1",

"meterID": "70b3d5f830004fb5",

"firstName": "Mamatha",

"lastName": "Hanbit",

"transactionID": 26,

"rechargeAmount": 450,

"status": "Pending...waiting for acknowledge",

"modeOfPayment": "Online",

"razorPayOrderID": "order\_ExrIo6N1K89rfi",

"razorPayRefundID": "---",

"RazorPayRefundStatus": "---",

"paymentStatus": "NOT PAID",

"transactedByUserName": "Hanbit",

"transactedByRoleDescription": "Super Admin",

"dateTime": "06:03:2020,00:13:11"

}

]

}

**16. Alarms**

**url:** common URL/alarm/{roleid}/{id}/{filterCid}

**Method:** GET

**Response:**

{

"difference": 0,

"data": [

{

"communityName": "Idigi",

"blockName": "idigiblock",

"houseNumber": "101",

"customerUniqueID": "IDIGI1",

"difference": 0,

"alarms": [

{

"miuID": "1122",

"dateTime": "2021/05/27 15:03:16",

"doorOpenTamper": "NO",

"magneticTamper": "NO",

"batteryVoltage": "---",

"lowBalance": "NO",

"difference": 13421

},

{

"miuID": "2233",

"dateTime": "2021/05/27 22:39:14",

"doorOpenTamper": "NO",

"magneticTamper": "NO",

"batteryVoltage": "---",

"lowBalance": "NO",

"difference": 12989

},

{

"miuID": "3344",

"dateTime": "2021/06/01 20:58:06",

"doorOpenTamper": "NO",

"magneticTamper": "NO",

"batteryVoltage": "---",

"lowBalance": "NO",

"difference": 10185

}

]

},

{

"communityName": "Idigi",

"blockName": "idigiblock",

"houseNumber": "102",

"customerUniqueID": "IDIGI2",

"difference": 0,

"alarms": []

},

{

"communityName": "Idigi",

"blockName": "idigiblock",

"houseNumber": "1003",

"customerUniqueID": "IDIGI3",

"difference": 0,

"alarms": []

}

]

}

**17. Topup**

**url:** common URL/topup

**Method:** POST

**Request:**

{

"source" : "web",

"CustomerUniqueID" : "IDIGI1",

"customerMeterID" : 1,

"miuID" : "70b3d5f830004fb5",

"amount" : 300,

"modeOfPayment" : "cash",

"transactedByID" : 1,

"transactedByRoleID" : 1

}

**Response:**

{

"result": "Success",

"Message" : "Topup Request Submitted Successfully"

}

**18. Vacation**

a. to retrieve list of vacations

**url:** common URL/vacation/{roleid}/{id}/{filterCid}

**Method:** GET

**Response:**

{

"data": [

{

"communityName": "Finaltesting",

"blockName": "finaltest",

"houseNumber": "49/38",

"CRNNumber": "HAN0012",

"firstName": "K VIMAL",

"lastName": "KUMAR",

"meterID": "70b3d5f83000157b",

"startDate": "05:15:2020,23:46:00",

"endDate": "05:15:2020,23:50:00",

"startDateForEdit": "2020-05-15 23:46:00",

"endDateForEdit": "2020-05-15 23:50:00",

"registeredDate": "05:15:2020,23:43:50",

"vacationID": 15,

"vacationName": "demo",

"mode": "add",

"status": "Failed"

},

{

"communityName": "Finaltesting",

"blockName": "finaltest",

"houseNumber": "49/38",

"CRNNumber": "HAN0012",

"firstName": "K VIMAL",

"lastName": "KUMAR",

"meterID": "70b3d5f83000157b",

"startDate": "05:15:2020,23:40:00",

"endDate": "05:15:2020,23:45:00",

"startDateForEdit": "2020-05-15 23:40:00",

"endDateForEdit": "2020-05-15 23:45:00",

"registeredDate": "05:15:2020,23:37:52",

"vacationID": 14,

"vacationName": "finals",

"mode": "add",

"status": "Failed"

}

]

}

b. to add a vacation

**url:** common URL/vacation/add

**Method:** POST

**Request:**

{

"source" : "web",

"customerID" : 6,

"vacationName": "out of Station",

"startDateTime" : "2020-04-21 12:00",

"endDateTime" : "2020-04-21 12:15",

"startDay" : 2,

"endDay" : 2

}

**Response:**

{

"result": "Success"

}

**19. Feedback/Complaints**

a. to retrieve list of feedbacks

**url:** common URL/feedback/{blockid}

**Method:** GET

**Response:**

{

"feedbackID": 0,

"data": [

{

"feedbackID": 1,

"feedback": "test1",

"description": "testing 1",

"customerUniqueID": "IDIGI1",

"houseNumber": "101",

"name": "Vimal Kumar",

"date": "2021/06/09 19:15:10"

}

]

}

b. to add feedback

**url:** common URL/feedback/add

**Method:** POST

**Request:**

{

"customerUniqueID" : "IDIGI1",

"feedback" : "test1",

"description" : "testing 1"

}

**Response:**

{

"result": "Success",

"Message": "Feedback/Complaint Submitted Successfully"

}

c. action feedback

**url:** common URL/feedback/{feedbackID}/{action}/{remarks}

**Method:** POST

**Response:**

{

"result": "Success",

"Message": "Resolved Successfully"

}

**20. Billing Details**

a. to retrieve list of bills

**url:** common URL/billing/{roleid}/{id}/{filterCid}

**Method:** GET

**Response:**

{

"customerBillingID": 0,

"totalConsumption": 0.0,

"totalAmount": 0.0,

"previousDues": 0.0,

"billYear": 0,

"data": [

{

"customerBillingID": 2,

"communityName": "Idigi",

"blockName": "idigiblock",

"customerName": "Vimal Kumar",

"houseNumber": "101",

"totalConsumption": 93.0,

"totalAmount": 1852.6,

"previousDues": 0.0,

"status": "Pending",

"transactedBy": "---",

"paidDate": "---",

"modeOfPayment": "---",

"billMonth": "May",

"billYear": 2021,

"logDate": "2021-06-03 23:34:28",

"individualbills": [

{

"billingID": 2,

"customerMeterID": 2,

"miuID": "2233",

"meterType": "Water",

"previousReading": 10.0,

"presentReading": 45.0,

"consumption": 35.0,

"tariff": 20.0,

"billAmount": 700.0,

"billingDate": "2021/06/03 23:34:27"

},

{

"billingID": 3,

"customerMeterID": 3,

"miuID": "3344",

"meterType": "Water",

"previousReading": 1.0,

"presentReading": 59.0,

"consumption": 58.0,

"tariff": 15.0,

"billAmount": 870.0,

"billingDate": "2021/06/03 23:34:28"

}

]

}

]

}

**21. Bill Summary**

a. to retrieve list of bills

**url:** common URL/billpaymentsummary

**Method:** POST

**Request:**

{

"communityID" : 1,

"blockID" : 1,

"customerUniqueID" : "IDIGI1",

"fromMonth" : 4,

"toMonth" : 5

}

**Response:**

{

"transactionID": 0,

"billAmount": 0.0,

"data": [

{

"houseNumber": "101",

"customerUniqueID": "IDIGI1",

"firstName": "Vimal",

"lastName": "Kumar",

"transactionID": 1,

"billAmount": 180.0,

"modeOfPayment": "cash",

"razorPayOrderID": "---",

"razorPayPaymentID": "---",

"razorPayRefundID": "---",

"RazorPayRefundStatus": "---",

"paymentStatus": "PAID",

"transactedByUserName": "Kvk",

"transactedByRoleDescription": "Admin",

"billingDate": "2021/05/22 19:34:29",

"paymentDate": "2021/05/22 23:45:19"

}

]

}

**22. AlarmReports**

a. to retrieve list of alarms

**url:** common URL/alarmreports

**Method:** POST

**Request:**

{

"customerUniqueID" : "IDIGI1",

"fromDate" : "2021-04-01 00:00",

"toDate" : "2021-06-05 23:59"

}

**Response:**

{

"difference": 0,

"data": [

{

"communityName": "Idigi",

"blockName": "idigiblock",

"houseNumber": "101",

"customerUniqueID": "IDIGI1",

"miuID": "2233",

"dateTime": "2021/04/08 16:49:58",

"doorOpenTamper": "YES",

"magneticTamper": "NO",

"batteryVoltage": "90.00",

"lowBalance": "NO",

"difference": 0,

"batteryColor": "GREEN"

}

]

}

**23. Meter Size**

a. to retrieve list of meter size

**url:** common URL/metersize

**Method:** GET

**Response:**

{

"meterSizeID ": 0,

"data": [

{

"meterSizeID": 1,

"meterType": "Gas",

"meterSize": 40,

"perUnitValue": 2.4,

"modifiedDate": "2021/07/13 13:00:00"

}

]

}

b. to add meter size

**url:** common URL/metersize/add

**Method:** POST

**Request:**

{

"meterType": "Gas",

"meterSize": 1,

"perUnitValue": 2.4

}

**Response:**

{

"result": "Success",

"Message": "Meter Size Added Successfully"

}

c. to edit meter size

**url:** common URL/ metersize/edit/{metersizeID}

**Method:** POST

**Request:**

{

"meterType": "Gas",

"meterSize": 40,

"perUnitValue": 2.4

}

**Response:**

{

"result": "Success",

"Message": "Meter Size Updated Successfully"

}

**24. Customer All Graph**

**url:** common URL/customergraphall/{year}/{month}/{customerUniqueID}

**Method:** GET

**Response:**

{

"xAxis": [

"2021-08-18",

"2021-08-19",

"2021-08-20",

"2021-08-21",

"2021-08-22",

"2021-08-23",

"2021-08-24",

"2021-08-25",

"2021-08-26",

"2021-08-27",

"2021-08-28",

"2021-08-29",

"2021-08-30",

"2021-08-31",

"2021-09-01",

"2021-09-02",

"2021-09-03",

"2021-09-04",

"2021-09-05",

"2021-09-06",

"2021-09-07",

"2021-09-08",

"2021-09-09",

"2021-09-10",

"2021-09-11",

"2021-09-12",

"2021-09-13",

"2021-09-14",

"2021-09-15",

"2021-09-16"

],

"series": [

{

"name": "Gas",

"data": [

0,

0,

0,

0,

0,

0,

0,

0,

0,

0,

0,

0,

0,

0,

5,

5,

0,

5,

5,

10,

0,

0,

0,

0,

0,

0,

0,

0,

0,

0

]

},

{

"name": "Water",

"data": [

0,

0,

0,

0,

0,

0,

0,

0,

0,

0,

0,

0,

0,

2,

3,

6,

4,

8,

6,

6,

0,

0,

0,

0,

0,

0,

0,

0,

0,

0

]

}

]

}

**25. Sensor Dashboard**

**url:** common URL/sensordashboard/{roleid}/{id}

**Method:** GET

**Response:**

{

"readingID": 0,

"reading1": 0,

"reading2": 0,

"reading3": 0,

"reading4": 0,

"per\_day\_flow\_rate1": 0.0,

"per\_day\_flow\_rate2": 0.0,

"per\_day\_flow\_rate3": 0.0,

"per\_day\_flow\_rate4": 0.0,

"live\_flow\_rate1": 0.0,

"live\_flow\_rate2": 0.0,

"live\_flow\_rate3": 0.0,

"live\_flow\_rate4": 0.0,

"record\_interval": 0,

"sync\_interval": 0,

"rssi": 0,

"analog\_inputs1": 0.0,

"analog\_inputs2": 0.0,

"analog\_inputs3": 0.0,

"analog\_inputs4": 0.0,

"analog\_outputs1": 0.0,

"analog\_outputs2": 0.0,

"analog\_outputs3": 0.0,

"analog\_outputs4": 0.0,

"voltage\_outputs1": 0.0,

"voltage\_outputs2": 0.0,

"voltage\_outputs3": 0.0,

"voltage\_outputs4": 0.0,

"battery\_percentage": 0,

"data": [

{

"communityName": "IDIGI",

"blockName": "Idigiblock",

"HouseNumber": "3333",

"firstName": "vimal",

"lastName": "kumar",

"customerUniqueID": "IDIGI0001",

"readingID": 0,

"equipment\_serial\_id": "123456789",

"reading1": 1414,

"reading2": 0,

"reading3": 0,

"reading4": 0,

"reader\_sensor\_status1": "True",

"reader\_sensor\_status2": "False",

"reader\_sensor\_status3": "False",

"reader\_sensor\_status4": "False",

"per\_day\_flow\_rate1": 0.0,

"per\_day\_flow\_rate2": 0.0,

"per\_day\_flow\_rate3": 0.0,

"per\_day\_flow\_rate4": 0.0,

"live\_flow\_rate1": 0.0,

"live\_flow\_rate2": 0.0,

"live\_flow\_rate3": 0.0,

"live\_flow\_rate4": 0.0,

"record\_interval": 60,

"sync\_interval": 60,

"rssi": 24,

"digital\_outputs1": "True",

"digital\_outputs2": "True",

"digital\_outputs3": "True",

"digital\_outputs4": "True",

"analog\_inputs1": 10000.0,

"analog\_inputs2": 7500.0,

"analog\_inputs3": 5000.0,

"analog\_inputs4": 2500.0,

"analog\_outputs1": 0.0,

"analog\_outputs2": 0.0,

"analog\_outputs3": 0.0,

"analog\_outputs4": 0.0,

"voltage\_outputs1": 10000.0,

"voltage\_outputs2": 7500.0,

"voltage\_outputs3": 5000.0,

"voltage\_outputs4": 2500.0,

"battery\_percentage": 99,

"online\_powersupply": "True",

"gsm\_status": "False",

"ethernet\_status": "False",

"nfc\_status": "False",

"flash\_status": "False",

"nfc\_memory\_status": "False",

"flash\_memory\_status": "False",

"low\_gsm": "False",

"low\_battery": "False",

"sensor\_detachment": "False",

"door\_open\_switch": "False",

"magnetic\_tamper": "False",

"timestamp": "2024-01-21 11:59:59",

"LogDate": "2024/01/21 12:01:08"

}

]

}

**26. Solar Dashboard**

a. to retrieve the list of solar dashboard

**url:** common URL/solardashboard/{communityName}/{blockName}/{customerUniqueID}

**Method:** GET

**Response:**

{

"readingID": 0,

"data": [

{

"communityName": "IDIGiT",

"blockName": "DataLoger",

"HouseNumber": "villa-12345",

"firstName": "sensor",

"lastName": "demo",

"customerUniqueID": "IDIGI09999",

"readingID": 1,

"deviceBlockID": "1",

"relayStatus": "OFF",

"rStatus": "OFF",

"yStatus": "OFF",

"bStatus": "OFF",

"LogDate": "2024/07/29 19:11:12"

}

]

}

**27. Solar Home Dashboard**

a. to retrieve the list of solar dashboard

**url:** common URL/solarhomedashboard/{roleid}/{id}

**Method:** GET

**Response:**

{

"active": 1,

"inActive": 0,

"live": 0,

"nonLive": 0,

"emergency": 0,

"lowBattery": 0,

"activePercentage": 100,

"inActivePercentage": 0,

"livePercentage": 0,

"nonLivePercentage": 0,

"emergencyPercentage": 0,

"lowBatteryPercentage": 0.0,

"consumption": 0,

"topup": 0,

"amr": 0,

"amrPercentage": 0,

"solar": 1,

"solarPercentage": 100

}

**28. Solar Graph**

a. to retrieve the list of solar dashboard

**url:** common URL/solargraph/{communityName}

**Method:** GET

**Response:**

{

"block1List": [

{

"communityName": "IDIGiT",

"blockName": "DataLoger",

"HouseNumber": "villa-12345",

"firstName": "sensor",

"lastName": "demo",

"customerUniqueID": "IDIGI09999",

"readingID": 3,

"deviceBlockID": "1",

"relayStatus": "OFF",

"rStatus": "OFF",

"yStatus": "OFF",

"bStatus": "OFF",

"LogDate": "2024/07/29 21:38:12"

}

],

"block2List": [

{

"communityName": "IDIGiT",

"blockName": "DataLoger",

"HouseNumber": "villa-123456",

"firstName": "Demo1",

"lastName": "demo",

"customerUniqueID": "IDIGI09998",

"readingID": 4,

"deviceBlockID": "2",

"relayStatus": "OFF",

"rStatus": "OFF",

"yStatus": "OFF",

"bStatus": "OFF",

"LogDate": "2024/07/29 23:07:34"

}

],

"block3List": [

{

"communityName": "IDIGiT",

"blockName": "DataLoger",

"HouseNumber": "villa-502",

"firstName": "Demo502",

"lastName": "Customer502",

"customerUniqueID": "han202009",

"readingID": 6,

"deviceBlockID": "3",

"relayStatus": "ON",

"rStatus": "OFF",

"yStatus": "OFF",

"bStatus": "OFF",

"LogDate": "2024/07/29 23:23:17"

}

]

}

**28. Solar Report**

a. to retrieve the list of solar dashboard

**url:** common URL/userconsumptionreports/solar

**Method:** GET

**Request:**

{

"customerUniqueID" : "IDIGI1",

"fromDate" : "2021-05-05 00:00",

"toDate" : "2021-06-05 23:59",

"year" : 2021,

"fromMonth" : 1,

"toMonth" : 5

}

**Response:**

{

"reading": 0.0,

"reading1": 0.0,

"reading2": 0.0,

"consumption": 0,

"balance": 0.0,

"battery": 0.0,

"tariff": 0.0,

"alarmCredit": 0.0,

"emergencyCredit": 0.0,

"data": [

{

"customerUniqueID": "IDIGI09999",

"reading": 0.0,

"reading1": 0.0,

"reading2": 0.0,

"consumption": 0,

"balance": 0.0,

"battery": 0.0,

"tariff": 0.0,

"alarmCredit": 0.0,

"emergencyCredit": 0.0,

"dateTime": "2024/07/29 19:11:12",

"relayStatus": "OFF",

"rStatus": "OFF",

"yStatus": "OFF",

"bStatus": "OFF"

}

]

}

**28. Solar Customer**

a. to add a solar customer

**url:** common URL/customer/add

**Method:** POST

**Request:**

{

"communityID": 2,

"blockID": 5,

"houseNumber": "villa-502",

"firstName": "Demo502",

"lastName": "Customer502",

"email": "democustomer502@gmail.com",

"mobileNumber": "9876598765",

"customerUniqueID":"han202009",

"isSolar":true,

"meters":[ ],

"createdByID": 1,

"loggedInRoleID" : 1,

"loggedInUserID" : "Superadmin"

}

**Response:**

{

"result": "Success",

"message": "Customer Details Added Successfully ",

"transactedByID": 0,

"transactionID": 0

}

b. to edit a solar customer

**url:** common URL/customer/edit/{CustomerUniqueID}

**Method:** POST

**Request:**

{

"communityID": 2,

"blockID": 5,

"houseNumber": "villa-502",

"firstName": "Demo502",

"lastName": "Customer502",

"email": "democustomer502@gmail.com",

"mobileNumber": "9876598765",

"customerUniqueID":"han202009",

"isSolar":true,

"meters":[ ],

"createdByID": 1,

"loggedInRoleID" : 1,

"loggedInUserID" : "Superadmin"

}

**Response:**

{

"result": "Success",

"Message": "Customer Details Updated Successfully",

"transactedByID": 0,

"transactionID": 0

}