

## **URA Data Service API User Manual**

### **1. Background**

URA publishes URA related data for public use and is available for download for the creation, development and testing of innovative applications by third party.

After activation of your account, you will receive an email with an access key from which you can generate a token for access to the API. The email will also contain a user manual on URA Data Service API in PDF format.

Once the token is generated, users are allowed to access the URA data service using the following way

### **2. Data Services**

Currently, the following data services are available for use:

S/N	Service	Description
1.	Get Token	This data service will generate a token for daily access to the rest of the data services.
2.	Car Park Available Lots	This data service will return the list of URA car park available lots in JSON format.
3.	Car Park List and Rates	This data service will return the list of URA car park details and rates in JSON format.
4.	Private Residential Property Transactions	This data service will return past 3 years of private residential property transaction records in JSON format.
5.	Private Non-Landed Residential Properties Median Rentals by Name	This data service will return past 3 years of median rentals of private non-landed residential properties with at least 10 rental contracts signed in the reference period in JSON format.
6.	Private Residential Properties Rental Contract	This data service will return past 3 years of rental contracts of private residential properties in JSON format.
7.	Private Residential Property Units Sold by Developers	This data service will return past 3 years of prices of private residential units sold by developers in JSON format.
8.	Private Residential Projects in the Pipeline	This data service will return the latest quarter of project pipeline data in JSON format.

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## 2.1 Get Token

This data service will return a token to be used for the day's access to the API.

URL:	<a href="https://www.ura.gov.sg/uraDataService/insertNewToken.action">https://www.ura.gov.sg/uraDataService/insertNewToken.action</a>		
Update Frequency:	Not applicable		
Request			
Parameter Name	Mandatory	Description	Example
AccessKey (header)	Yes	The access key included in the email upon successful activation of account.	
Sample Request			
<pre>GET /uraDataService/insertNewToken.action HTTP/1.1 User-Agent: Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8 Accept-Language: en-US,en;q=0.5 Accept-Encoding: gzip, deflate Cookie: Connection: keep-alive Pragma: no-cache Cache-Control: no-cache AccessKey: [provide your access key here]</pre>			
Response			
Parameter Name	Description		Example
Result	The token to be used for the day to access to the other data services.		
Sample Response			
<pre>{   "Result": "42-0xjxf--aYa3J@bH4mq5aZga-MMd6V- c5XfK74d464Ayc4@AU8UP5h5TCCqt3ccV@0N+0874-j6d59dpC3bfscqPP3P252TYj",   "Status": "Success",   "Message": "" }</pre>			

## 2.2 Car Park Available Lots

This data service will return the list of URA car park available lots in JSON format.

### Data Description

URL:	<a href="https://www.ura.gov.sg/uraDataService/invokeUraDS?service=Car_Park_Availability">https://www.ura.gov.sg/uraDataService/invokeUraDS?service=Car_Park_Availability</a>		
Update Frequency:	Every 3 to 5 mins		
<b>Request</b>			
Parameter Name	Mandatory	Description	Example
AccessKey (header)	Yes	The access key included in the email upon successful activation of account.	
Token (header)	Yes	The token generated from the request token service for daily data request.	
<b>Sample Request</b>			
<pre>GET /uraDataService/invokeUraDS?service=Car_Park_Availability HTTP/1.1 User-Agent: Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8 Accept-Language: en-US,en;q=0.5 Accept-Encoding: gzip, deflate Cookie: Connection: keep-alive Pragma: no-cache Cache-Control: no-cache AccessKey: [provide your access key here] Token: [provide your token here]</pre>			
<b>Response</b>			
Parameter Name	Description		Example
carparkNo	5 digit car park code		N0006
lotType	The type of vehicle lots for the car park  C - Car M - Motorcycle H - Heavy Vehicle		M  <u>Possible values:</u> "C", "M", "H"
lotsAvailable	Remaining free lots		e.g. 0
<b>Sample Response</b>			
<pre>{   "Status": "Success",   "Message": "",   "Result": [     {       "lotsAvailable": "0",       "lotType": "M",</pre>			

```
      "carparkNo": "N0006"
    },
    {
      "lotsAvailable": "2",
      "lotType": "M",
      "carparkNo": "S0108"
    }
  ]
}
```

## 2.3 Car Park List and Rates

This data service will return the list of URA car park details and rates in the JSON format.

### Data Description

URL:	<a href="https://www.ura.gov.sg/uraDataService/invokeUraDS?service=Car_Park_Details">https://www.ura.gov.sg/uraDataService/invokeUraDS?service=Car_Park_Details</a>		
Update Frequency:	Daily		
<b>Request</b>			
Parameter Name	Mandatory	Description	Example
AccessKey (header)	Yes	The access key included in the email upon successful activation of account.	
Token (header)	Yes	The token generated from the request token service for daily data request.	
<b>Sample Request</b>			
<pre>GET /uraDataService/invokeUraDS?service=Car_Park_Details HTTP/1.1 User-Agent: Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8 Accept-Language: en-US,en;q=0.5 Accept-Encoding: gzip, deflate Cookie: Connection: keep-alive Pragma: no-cache Cache-Control: no-cache AccessKey: [provide your access key here] Token: [provide your token here]</pre>			
<b>Response</b>			
Parameter Name	Description		Example
ppCode	5 digit carpark code.		e.g. BL021
ppName	Carpark name.		e.g. ALIWAL STREET
vehCat	Vehicle Category.  C - Car M - Motorcycle H - Heavy Vehicle		C  <u>Possible values:</u> "C", "M", "H"
startTime	Effective start time of parking rate.		e.g. 08:30 AM
endTime	Effective end time of parking rate.		e.g. 05:00 PM
weekdayRate	Parking rate on weekday. Note that prices are in dollars (\$).		e.g. 0.50

weekdayMin	The maximum duration of the rate. Note that is this for Weekday. Value 30 mins would imply e.g. \$0.65 per 30 min.	<i>e.g. 30 mins</i>
satdayRate	Parking rate on Saturday.	<i>e.g. \$0.50</i>
satdayMin	The maximum duration of the rate. Note that is this for Saturday. Value 30 mins would imply e.g. \$0.65 per 30 min.	<i>e.g. 30 mins</i>
sunPHRate	Parking rate on Sunday and public holiday.	<i>e.g. \$0.50</i>
sunPHMin	The maximum duration of the rate. Note that is this for Sunday. Value 30 mins would imply e.g. \$0.65 per 30 min.	<i>e.g. 30 mins</i>
remarks	Remarks for the car park	<i>e.g. Reserved for Season Ticket Holders from 7.00pm to 7am daily.</i>
parkingSystem	The type of parking system the car park is in use  C - Coupon Parking System B - Electronic Parking System	C  <u>Possible values:</u> "C", "B"
parkCapacity	number of carpark lots	<i>e.g. 69</i>

#### Sample Response

```
{
  "Status": "Success",
  "Message": "",
  "Result": [
    {
      "weekdayMin": "30mins",
      "ppName": "ALIWAL STREET",
      "endTime": "05.00 PM",
      "weekdayRate": "$0.50",
      "startTime": "08.30 AM",
      "ppCode": "A0004",
      "sunPHRate": "$0.50",
      "satdayMin": "30 mins",
      "sunPHMin": "30 mins",
      "parkingSystem": "C",
      "parkCapacity": 69,
      "vehCat": "Car",
      "satdayRate": "$0.50"
    },
    {
      "weekdayMin": "30 mins",
      "ppName": "ALIWAL STREET ",
      "endTime": "10.00 PM",
      "weekdayRate": "$0.50",
      "startTime": "05.00 PM",
      "ppCode": "A0004",
      "sunPHRate": "$0.50",
      "satdayMin": "30 mins",
      "sunPHMin": "30 mins",
      "parkingSystem": "C",
      "parkCapacity": 69,
      "vehCat": "Car",

```

```
    "satdayRate": "$0.50"  
  }  
]  
}
```



## 2.4 Private Residential Property Transactions

This data service will return past 3 years of private residential property transaction records in JSON format. As transaction records > 3 years ago could be modified/aborted, we would advise to refresh your database on a daily basis and just retain the latest 3 years record for better accuracy.

URL:	<a href="https://www.ura.gov.sg/uraDataService/invokeUraDS?service=PMI_Resi_Transaction">https://www.ura.gov.sg/uraDataService/invokeUraDS?service=PMI_Resi_Transaction</a>		
Update Frequency:	End of day of every Tuesday and Friday		
<b>Request</b>			
Parameter Name	Mandatory	Description	Example
AccessKey (header)	Yes	The access key included in the email upon successful activation of account.	
Token (header)	Yes	The token generated from the request token service for daily data request.	
Batch	Yes	Data are available for download in 4 batches. They are split by postal districts e.g. batch 1 is for postal district 01 to 07, batch 2 is for postal district 08 to 14 etc. To download for batch 1, pass in the value 1.	1  <u>Possible values:</u> 1, 2, 3, 4
<b><u>Sample Request Header</u></b>			
<pre>GET /uraDataService/invokeUraDS?service=PMI_Resi_Transaction&amp;batch=1 HTTP/1.1 User-Agent: Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8 Accept-Language: en-US,en;q=0.5 Accept-Encoding: gzip, deflate Cookie: Connection: keep-alive Pragma: no-cache Cache-Control: no-cache AccessKey: [provide your access key here] Token: [provide your token here]</pre>			
<b>Response</b>			
Parameter Name	Description		Example
project	The name of the project		ELLIOT AT THE EAST COAST
street	The street name that the project is on.		ELLIOT ROAD
marketSegment	The market segment that the property falls in.		OCR

	CCR – Core Central Region RCR – Rest of Central Region OCR – Outside Central Region	<u>Possible values</u> “CCR”, “OCR”, “RCR”
x	The x coordinates of the address of the property in SVY21 format.  <b>Important:</b> This is the location of the property and does not represent the location of the transacted unit.	38874.76449208 9998
y	The y coordinates of the address of the property in SVY21 format.  <b>Important:</b> This is the location of the property and does not represent the location of the transacted unit.	32612.84399211
transaction	An array of transactions for this property	
<i>propertyType</i>	The property type of the transacted property. Note that there are properties with a mixture of property types.	Apartment  <u>Possible values:</u> “Strata Detached”, “Strata Semi-detached”, “Strata Terrace”, “Detached”, “Semi-detached”, “Terrace”, “Apartment”, “Condominium”, “Executive Condominium”
<i>district</i>	The postal district that the transacted property falls in. Note that there are properties that fall across multiple postal district.	01  <u>Possible values</u> 01, 02, 03, 04, ... 28
<i>tenure</i>	The tenure of the transacted property. Note that there are properties that have units with multiple tenures.	Freehold  <u>Possible values</u> “Freehold”, “xx yrs lease commencing from yyyy”
<i>typeOfSale</i>	The type of sale	1

	1 – New Sale 2 – Sub Sale 3 – Resale	<u>Possible values</u> 1, 2, 3
<i>noOfUnits</i>	The number of units in this transaction. The value for New Sale will always be 1. The value for Resale or Sub Sale could be greater than 1 depending on the number of units lodged for the caveat.	1
<i>price</i>	The transacted price	3850000
<i>nettPrice</i>	The nett transacted price, excluding discounts if any. This field is only applicable for New Sale where discounts were given.	3500000
<i>area</i>	The land/floor area of the transacted unit in square metre.	197
<i>typeOfArea</i>	The type of area of the transacted unit.	Strata  <u>Possible values</u> "Strata", "Land", "Unknown"
<i>floorRange</i>	The floor range that the transacted unit falls within.	16-20  <u>Possible values</u> "-", "B1-B5", "B6-B10", "01-05", "06-10", ... "106-110"
<i>contractDate</i>	The data of sale for New Sale records or option exercised date for Resale and Sub Sale records.	1215  Field is in format of mmyy e.g. 1215 represents Dec 2015.

#### Sample Response

```
{
  "Result": [
    {
      "project": "TURQUOISE",
      "marketSegment": "CCR",
      "transaction": [
        {
          "contractDate": "0715",
          "area": "203",

```

```
        "price": "2900000",
        "propertyType": "Condominium",
        "typeOfArea": "Strata",
        "tenure": "99 yrs lease commencing from 2007",
        "floorRange": "01-05",
        "typeOfSale": "3",
        "district": "04",
        "noOfUnits": "1"
    },
    {
        "contractDate": "0116",
        "area": "200",
        "price": "3014200",
        "propertyType": "Condominium",
        "typeOfArea": "Strata",
        "tenure": "99 yrs lease commencing from 2007",
        "floorRange": "01-05",
        "typeOfSale": "3",
        "district": "04",
        "noOfUnits": "1"
    },
    ],
    "street": "COVE DRIVE",
    "y": "24997.821719180001",
    "x": "28392.530515570001"
}
],
"Status": "Success"
}
```

## 2.5 Private Non-Landed Residential Properties Median Rentals by Name

This data service will return past 3 years of median rentals of private non-landed residential properties with at least 10 rental contracts for the reference period in JSON format.

URL:	<a href="https://www.ura.gov.sg/uraDataService/invokeUraDS?service=PMI_Resi_Rental_Median">https://www.ura.gov.sg/uraDataService/invokeUraDS?service=PMI Resi Rental Median</a>		
Update Frequency:	End of day of every 4 <sup>th</sup> Friday of January, April, July and October. If it is a public holiday, the data will be updated on the following working day.		
<b>Request</b>			
Parameter Name	Mandatory	Description	Example
AccessKey (header)	Yes	The access key included in the email upon successful activation of account.	
Token (header)	Yes	The token generated from the request token service for daily data request.	
<b>Sample Request Header</b>			
<pre>GET /uraDataService/invokeUraDS?service=PMI_Resi_Rental_Median HTTP/1.1 User-Agent: Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8 Accept-Language: en-US,en;q=0.5 Accept-Encoding: gzip, deflate Cookie: Connection: keep-alive Pragma: no-cache Cache-Control: no-cache AccessKey: [provide your access key here] Token: [provide your token here]</pre>			
<b>Response</b>			
Parameter Name	Description		Example
project	The name of the project		MERAWOODS
street	The street name that the project is on.		HILLVIEW AVENUE
x	The x coordinates of the address of the property in SVY21 format.  <b>Important:</b> This is the location of the property and does not represent the location of the rented unit.		19822.86063466 0001
y	The y coordinates of the address of the property in SVY21 format.		37575.87391182 9997

	<b>Important:</b> This is the location of the property and does not represent the location of the rented unit.	
rentalMedian	An array of median rentals for this property	
<i>district</i>	The postal district that the transacted property falls in.	23  <u>Possible values</u> 01, 02, 03, 04, ... 28
<i>refPeriod</i>	The reference period for the rental information.	2014Q2  <i>Field is in format of YYYYQQ e.g. 2011Q3 represents 2011 3<sup>rd</sup> quarter.</i>
<i>psf25</i>	The 25 <sup>th</sup> percentile per square feet per month for the property for the reference period.	2.32
<i>median</i>	The median per square feet per month for the property for the reference period.	2.5
<i>psf75</i>	The 75 <sup>th</sup> percentile per square feet per month for the property for the reference period.	2.6

#### Sample Response

```
{
  "Result": [
    {
      "project": "MERAWOODS",
      "street": "HILLVIEW AVENUE",
      "rentalMedian": [
        {
          "median": 2.5,
          "psf25": 2.32,
          "psf75": 2.6,
          "district": "23",
          "refPeriod": "2014Q2"
        },
        {
          "median": 2.48,
          "psf25": 2.16,
          "psf75": 2.55,
          "district": "23",
          "refPeriod": "2014Q3"
        },
        {
          "median": 2.45,
          "psf25": 2.29,
          "psf75": 2.8,
          "district": "23",
          "refPeriod": "2012Q1"
        }
      ]
    },
    {
      "y": "37575.873911829997",
      "x": "19822.860634660001"
    }
  ]
}
```

```
},
{
  "project": "ELLIOT AT THE EAST COAST",
  "street": "ELLIOT ROAD",
  "rentalMedian": [
    {
      "median": 3.32,
      "psf25": 2.8,
      "psf75": 3.46,
      "district": "15",
      "refPeriod": "2012Q3"
    },
    {
      "median": 2.92,
      "psf25": 2.63,
      "psf75": 3.45,
      "district": "15",
      "refPeriod": "2014Q2"
    },
    {
      "median": 3.19,
      "psf25": 2.79,
      "psf75": 3.46,
      "district": "15",
      "refPeriod": "2012Q2"
    }
  ],
  "y": "32635.6331629",
  "x": "38853.473729029998"
}
],
"Status": "Success"
}
```

## 2.6 Private Residential Properties Rental Contract

This data service will return past 3 years of private residential properties with rental contracts submitted to IRAS for Stamp Duty assessment in JSON format. As the rental records > 3 years ago could be modified/aborted, we would advise to refresh your database on a monthly basis and just retain the latest 3 years record for better accuracy.

URL:	<a href="https://www.ura.gov.sg/uraDataService/invokeUraDS?service=PMI_Resi_Rental">https://www.ura.gov.sg/uraDataService/invokeUraDS?service=PMI Resi_Rental</a>		
Update Frequency:	End of day of every 15 <sup>th</sup> of the month. If it is a public holiday, the data will be updated on the following working day.		
Request			
Parameter Name	Mandatory	Description	Example
AccessKey (header)	Yes	The access key included in the email upon successful activation of account.	
Token (header)	Yes	The token generated from the request token service for daily data request.	
refPeriod	Yes	Data are available for download by reference quarter.	14q1  Field is in format of yyqq e.g. 14q1 represents 2014 1 <sup>st</sup> quarter.
Sample Request Header			
<pre>GET /uraDataService/invokeUraDS?service=PMI_Resi_Rental&amp;refPeriod=14q1 HTTP/1.1 User-Agent: Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8 Accept-Language: en-US,en;q=0.5 Accept-Encoding: gzip, deflate Cookie: Connection: keep-alive Pragma: no-cache Cache-Control: no-cache AccessKey: [provide your access key here] Token: [provide your token here]</pre>			
Response			
Parameter Name	Description		Example
project	The name of the project		THOMSON RISE ESTATE
street	The street name that the project is on.		JALAN BERJAYA



x	<p>The x coordinates of the address of the property in SVY21 format.</p> <p><b>Important:</b> This is the location of the property and does not represent the location of the transacted unit.</p>	29360.42681772 9999
y	<p>The y coordinates of the address of the property in SVY21 format.</p> <p><b>Important:</b> This is the location of the property and does not represent the location of the transacted unit.</p>	37250.51289984 0002
rental	An array of rental contracts for this property	
<i>propertyType</i>	<p>The property type of the transacted property. Note that there are properties with a mixture of property types.</p>	<p><i>Detached House</i></p> <p><u>Possible values:</u>  <i>"Non-landed Properties",  "Detached House",  "Semi-Detached House",  "Terrace House",  "Executive Condominium"</i> </p>
<i>district</i>	<p>The postal district that the transacted property falls in. Note that there are properties that fall across multiple postal district.</p>	<p>20</p> <p><u>Possible values</u>  01, 02, 03, 04, ...  28</p>
<i>noOfBedRoom</i>	<p>The number of bed rooms. Information is only available for non-landed property. Empty value for non-landed properties means that the information was not provided for this property.</p>	1
<i>rent</i>	The monthly rent.	4300
<i>areaSqft</i>	The floor area range of the rented property in square feet.	1500-2000
<i>areaSqm</i>	The floor area range of the rented property in square metre.	150-200
<i>leaseDate</i>	The lease commencement date of the rental.	<p>0314</p> <p><i>Field is in format of mmyy e.g.</i></p>

		0314 represents March 2014.
<p><u>Sample Response</u></p> <pre> {   "Result": [     {       "project": "THOMSON RISE ESTATE",       "street": "JALAN BERJAYA",       "rental": [         {           "leaseDate": "0314",           "propertyType": "Detached House",           "areaSqm": "150-200",           "areaSqft": "1500-2000",           "rent": 4300,           "district": "20"         }       ],       "y": "37250.512899840002",       "x": "29360.426817729999"     },     {       "project": "THE ESPIRA",       "street": "LORONG L TELOK KURAU",       "rental": [         {           "leaseDate": "0314",           "propertyType": "Non-landed Properties",           "areaSqm": "100-110",           "areaSqft": "1100-1200",           "rent": 3100,           "district": "15",           "noOfBedRoom": "3"         },         {           "leaseDate": "0314",           "propertyType": "Non-landed Properties",           "areaSqm": "50-60",           "areaSqft": "500-600",           "rent": 2400,           "district": "15",           "noOfBedRoom": "1"         }       ],       "y": "32747.030532890001",       "x": "37045.353209170002"     }   ],   "Status": "Success" } </pre>		

## 2.7 Private Residential Property Units Sold by Developers

This data service will return past 3 years of prices of completed and uncompleted private residential units and executive condominiums with pre-requisite for sale sold by developers in JSON format.

URL:	<a href="https://www.ura.gov.sg/uraDataService/invokeUraDS?service=PMI_Resi_Developer_Sales">https://www.ura.gov.sg/uraDataService/invokeUraDS?service=PMI_Resi_Developer_Sales</a>		
Update Frequency:	End of day of every 15 <sup>th</sup> of the month. If it is a public holiday, the data will be updated on the following working day.		
<b>Request</b>			
Parameter Name	Mandatory	Description	Example
AccessKey (header)	Yes	The access key included in the email upon successful activation of account.	
Token (header)	Yes	The token generated from the request token service for daily data request.	
refPeriod	Yes	The reference period of the month to download the information.	0913  Field is in format of mmyy e.g. 0913 represents Sep 2013.
<b>Sample Request Header</b>			
<pre>GET /uraDataService/invokeUraDS?service=PMI_Resi_Developer_Sales&amp;refPeriod=0913 HTTP/1.1 User-Agent: Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8 Accept-Language: en-US,en;q=0.5 Accept-Encoding: gzip, deflate Cookie: Connection: keep-alive Pragma: no-cache Cache-Control: no-cache AccessKey: [provide your access key here] Token: [provide your token here]</pre>			
<b>Response</b>			
Parameter Name	Description		Example
project	The name of the project		LUXUS HILLS
street	The street name that the project is on.		YIO CHU KANG ROAD/ANG MO KIO AVENUE 5/SELETAR ROAD

developer	The name of the developer of the project	<i>Singapore United Estates Pte Ltd</i>
marketSegment	The market segment that the property falls in.  CCR – Core Central Region RCR – Rest of Central Region OCR – Outside Central Region	<i>OCR</i>  <u>Possible values</u> “CCR”, “OCR”, “RCR”
district	The postal district that the transacted property falls in.	<i>28</i>  <u>Possible values</u> 01, 02, 03, 04, ... 28
x	The x coordinates of the address of the property in SVY21 format.  <b>Important:</b> This is the location of the property and does not represent the location of the transacted unit.	<i>32524.18989369</i>
y	The y coordinates of the address of the property in SVY21 format.  <b>Important:</b> This is the location of the property and does not represent the location of the transacted unit.	<i>40264.704801180002</i>
developerSales	An array of developer sales transaction for this property	
<i>refPeriod</i>	The reference period for the transaction based on the option to purchase issued by developers to purchasers.	<i>0913</i>  <i>Field is in format of mmyy e.g. 0913 represents Sep 2013.</i>
<i>medianPrice</i>	The median price per square feet of the transacted units for the reference period.	<i>0</i>
<i>lowestPrice</i>	The lowest transacted price per square feet of the transacted units for the reference period.	<i>0</i>
<i>highestPrice</i>	The highest transacted price per square feet of the transacted units for the reference period.	<i>0</i>
<i>unitsAvail</i>	The total number of units in this project.	<i>236</i>
<i>launchedToDate</i>	The number of units launched for sale to date.	<i>90</i>
<i>soldToDate</i>	The number of units sold to date.	<i>90</i>

<i>launchedInMonth</i>	The number of units launched for sale for the reference period.	0
<i>soldInMonth</i>	The number of units sold for the reference period.	0

### Sample Response

```
{
  "Result": [
    {
      "project": "LUXUS HILLS",
      "marketSegment": "OCR",
      "developer": "Singapore United Estates Pte Ltd",
      "street": "YIO CHU KANG ROAD/ANG MO KIO AVENUE 5/SELETAR ROAD",
      "developerSales": [
        {
          "highestPrice": 0,
          "soldToDate": 90,
          "unitsAvail": 236,
          "medianPrice": 0,
          "soldInMonth": 0,
          "launchedToDate": 90,
          "lowestPrice": 0,
          "refPeriod": "0913",
          "launchedInMonth": 0
        }
      ],
      "district": "28",
      "y": "40264.704801180002",
      "x": "32524.18989369"
    },
    {
      "project": "BLOSSOM RESIDENCES",
      "marketSegment": "OCR",
      "developer": "Grand Isle Holdings Pte Ltd",
      "street": "SEGAR ROAD",
      "developerSales": [
        {
          "highestPrice": 0,
          "soldToDate": 601,
          "unitsAvail": 602,
          "medianPrice": 0,
          "soldInMonth": 0,
          "launchedToDate": 602,
          "lowestPrice": 0,
          "refPeriod": "0913",
          "launchedInMonth": 0
        }
      ],
      "district": "23"
    }
  ],
  "Status": "Success"
}
```

## 2.8 Private Residential Projects in the Pipeline

This data service will return the latest quarter of project pipeline data in JSON format.

URL:	<a href="https://www.ura.gov.sg/uraDataService/invokeUraDS?service=PMI_Resi_Pipeline">https://www.ura.gov.sg/uraDataService/invokeUraDS?service=PMI Resi Pipeline</a>		
Update Frequency:	End of day of every 4 <sup>th</sup> Friday of January, April, July and October. If it is a public holiday, the data will be updated on the following working day.		
<b>Request</b>			
Parameter Name	Mandatory	Description	Example
AccessKey (header)	Yes	The access key included in the email upon successful activation of account.	
Token (header)	Yes	The token generated from the request token service for daily data request.	
<b><u>Sample Request Header</u></b>			
<pre>GET /uraDataService/invokeUraDS?service=PMI_Resi_Pipeline HTTP/1.1 User-Agent: Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8 Accept-Language: en-US,en;q=0.5 Accept-Encoding: gzip, deflate Cookie: Connection: keep-alive Pragma: no-cache Cache-Control: no-cache AccessKey: [provide your access key here] Token: [provide your token here]</pre>			
<b>Response</b>			
Parameter Name	Description		Example
project	The name of the project		ONE SURIN
street	The street name that the project is on.		SURIN AVENUE
district	The postal district that the project falls in.		19  <u>Possible values</u> 01, 02, 03, 04, ... 28
developerName	The name of the developer for the project.		Urban Lofts Pte Ltd
totalUnits	The total number of units in this project.		27

noOfDetachedHouse	The number of detached units in this project.	0
noOfSemiDetached	The number of semi-detached units in this project.	0
noOfTerrace	The number of terrace units in this project.	27
noOfApartment	The number of apartment units in this project.	0
noOfCondo	The number of condominium units in this project.	0
expectedTOPYear	The expected year of TOP. Values with 'na' is because developers has not given consent for this information to be released.	na

#### Sample Response

```
{
  "Result": [
    {
      "noOfApartment": 0,
      "totalUnits": 27,
      "project": "ONE SURIN",
      "noOfTerrace": 27,
      "noOfCondo": 0,
      "noOfDetachedHouse": 0,
      "street": "SURIN AVENUE",
      "developerName": "Urban Lofts Pte Ltd",
      "noOfSemiDetached": 0,
      "expectedTOPYear": "na",
      "district": "19"
    },
    {
      "noOfApartment": 0,
      "totalUnits": 420,
      "project": "THE SKYWOODS",
      "noOfTerrace": 0,
      "noOfCondo": 420,
      "noOfDetachedHouse": 0,
      "street": "DAIRY FARM HEIGHTS",
      "developerName": "Bukit Timah Green Development Pte Ltd",
      "noOfSemiDetached": 0,
      "expectedTOPYear": "na",
      "district": "23"
    }
  ],
  "Status": "Success"
}
```