

## Migrate to MapmyIndia APIs

### Autosuggest API

This document will guide you through the different request and response parameters of MapmyIndia's Autosuggest API and how you can extract data analogous to Google Place Autocomplete service from MapmyIndia Autosuggest API.

MapmyIndia	Google
<b>Endpoint for using Reverse Geocoding API:</b> <a href="https://atlas.mapmyindia.com/api/places/search/json?">https://atlas.mapmyindia.com/api/places/search/json?</a>	<b>Endpoint for using Reverse Geocoding API:</b> <a href="https://maps.googleapis.com/maps/api/place/autocomplete/output?parameters">https://maps.googleapis.com/maps/api/place/autocomplete/output?parameters</a>
<b>Required parameters in a reverse Geocoding request:</b> 1: query	<b>Required parameters in a reverse Geocoding request:</b> 1: input 2: License Key
<b>Finding the latitude and longitude of the address in the response –</b> <pre>latitude: 30.6641030000001, longitude: 76.854926</pre>	<b>Finding the latitude and longitude of the address in the response –</b> <pre>Google doesn't provide the latitude and longitude of the searched address directly. To get that you have to use another API of Google whereas MapmyIndia does that in the same response</pre>

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#### Finding the full tokenized address in the response:

```
...
"addressTokens": {
  "houseNumber": "1301",
  "houseName": "Tower 3B",
  "poi": "",
  "street": "",
  "subSubLocality": "",
  "subLocality": "Suncity Parikrama",
  "locality": "Sector 20",
  "village": "",
  "subDistrict": "Panchkula",
  "district": "Panchkula District",
  "city": "Panchkula",
  "state": "Haryana",
  "pincode": "134117"
}
```

...  
The same parameter name is used to divide the whole address in different layers of the geocode level.

#### Finding the full tokenized address:

```
...
"terms": [
  {
    "offset": 0,
    "value": "MapmyIndia Head Office"
  },
  {
    "offset": 24,
    "value": "Okhla Phase III"
  },
  {
    "offset": 41,
    "value": "Okhla Industrial Area"
  },
  {
    "offset": 64,
    "value": "New Delhi"
  },
  {
    "offset": 75,
    "value": "Delhi"
  },
  {
    "offset": 82,
    "value": "India"
  }
]
```

...  
The Google provides the kind of tokenize address without any geocode level.

#### Finding Human readable address in the response:

```
...
"placeAddress": "Tower 3B, Suncity Parikrama, Sector 20, Panchkula, Haryana, 134117"
"placeName": "1301"
...
```

#### Finding Human readable address in the response:

```
...
"description": "MapmyIndia Head Office, Okhla Phase III, Okhla Industrial Area, New Delhi, Delhi, India"
...
```

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<p>Getting place id from the response:</p> <p>...</p> <pre>"eLoc" : "VWQJJ1"</pre> <p>...</p> <p>In MapmyIndia the place id for any address is displayed as eLoc which is basically an alpha-numeric code that is used to further details regarding the place</p>	<p>Getting place id from the response:</p> <p>...</p> <pre>"place_id" : "ChIJ3ZViy-7jDDkR4J128QhsSAE"</pre> <p>...</p>
<p><b>Documentation link:</b></p> <p><a href="https://www.mapmyindia.com/api/advanced-maps/doc/autosuggest-api">https://www.mapmyindia.com/api/advanced-maps/doc/autosuggest-api</a></p>	<p><b>Documentation link:</b></p> <p><a href="https://developers.google.com/places/web-service/autocomplete">https://developers.google.com/places/web-service/autocomplete</a></p>

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#### Sample Response:

```
{
  "suggestedLocations": [
    {
      "type": "HOUSE_NUMBER",
      "typeX": 14,
      "placeAddress": "Tower 3B, Suncity Parikrama, Sector 20, Panchkula, Haryana, 134117",
      "latitude": 30.6641030000001,
      "longitude": 76.854926,
      "eLoc": "VWQJJ1",
      "entryLatitude": 30.664157,
      "entryLongitude": 76.854967,
      "placeName": "1301",
      "alternateName": "",
      "keywords": [],
      "addressTokens": {
        "houseNumber": "",
        "houseName": "Tower 3B",
        "poi": "",
        "street": "",
        "subSubLocality": "",
        "subLocality": "Suncity Parikrama",
        "locality": "Sector 20",
```

#### Sample Response:

```
  "description": "3, Block T Okhla Industrial Estate Phase 2 Ro",
  "id": "fd612f2ee8855e067867637904a693e9a6255a8e",
  "matched_substrings": [
    {
      "length": 46,
      "offset": 1
    }
  ],
  "place_id": "EnkzLCBCbG9jayBUIE9raGxhIEluZHVzdHJpYWwgRXN0YXR1",
  "reference": "EnkzLCBCbG9jayBUIE9raGxhIEluZHVzdHJpYWwgRXN0YXR1",
  "structured_formatting": {
    "main_text": "3, Block T Okhla Industrial Estate Phase 2",
    "main_text_matched_substrings": [
      {
        "length": 46,
        "offset": 1
      }
    ],
    "secondary_text": "Pocket W, Okhla Phase II, Okhla Indust",
  },
```

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```
    "village": "",
    "subDistrict": "Panchkula",
    "district": "Panchkula District",
    "city": "Panchkula",
    "state": "Haryana",
    "pincode": "134117"
  },
  "p": 24000,
  "orderIndex": 1,
  "score": 0.03009793622582226,
  "sugester": "placeName"
}
],
"userAddedLocations": [],
"suggestedSearches": []
}
```

```
  "terms": [
    {
      "offset": 0,
      "value": "3"
    },
    {
      "offset": 1,
      "value": ", Block T Okhla Industrial Estate Phase 2 R"
    },
    {
      "offset": 49,
      "value": "Pocket W"
    },
    {
      "offset": 59,
      "value": "Okhla Phase II"
    },
    {
      "offset": 75,
      "value": "Okhla Industrial Area"
    },
    ,
  ],
```

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```
{
  "offset": 98,
  "value": "New Delhi"
},
{
  "offset": 109,
  "value": "Delhi"
},
{
  "offset": 116,
  "value": "India"
}
],
"types": [
  "route",
  "geocode"
]
```