

JSON return object

Property	Type	Description
status	Number	0: OK 1: Error, too few waypoints provided 2: Error, system error, route calculation failed
trips	array<trip>	Array of (sub)trip objects

Trip object

Read only if status is 0 (OK)

Property	Type	Description
status	Number	Status set by routing engine: 6 means OK, any other number represents routing error
length	Number	Length of sub-trip in meters
Duration	Number	Duration of sub-trip in seconds
Advices	Array <advice_obj>	Array of advice objects
Pts	String	Encoded route points (in WGS-84 coordinates, used for drawing route on map)
lvls	String	Encoded optimal zoom level (for display) info for route points

Advice object

Property	Type	Description
pt	wgs_pt	WGS-84 coordinates of advice position
meters	Number	Cumulative distance (from the route start) to advice position
seconds	Number	Cumulative time (from the route start) to reach advice position
text	String	Description of the advice
text	Number	The numeric id of the icon that represents current advice icon
exit_nr	Number	The exit number on roundabout exit, 0 if advice is not on roundabout maneuver

Advice object

Property	Type	Description
lng	Number	Longitude (double)
lat	Number	Latitude (double)

Icon identifiers (Returned by server)

Route icon URL - https://api.mapmyindia.com/images/step_<icon id>.png

Icon id	Icon description
0	Turn left
1	Sharp turn left

2	Bear left
3	Turn right
4	Sharp turn right
5	Bear right
6	Turn around
7	Continue straight
8	Destination
9	Highway exit right
10	Highway enter right
11	Left at next
12	Right at next
13	Left at end
14	Right at end
15	Left at fork
16	Right at fork
17	Sharp left at next
18	Sharp right at next
19	Bear left at next
20	Bear right at next
21	Continue straight at next
22	Left after left curve
23	Left after right curve
24	Right after right curve
25	Right after left curve
34	Highway exit left-driving road
35	Highway enter left-driving road
36	Take ferry
37	Leave ferry
40	Border crossing
41	Turnaround left-driving road
50	Head north
51	Head northeast
52	Head east
53	Head southeast
54	Head south
55	Head southwest
56	Head west
57	Head northwest
58	Roundabout exit at 45 degrees
59	Roundabout exit at 90 degrees
60	Roundabout exit at 135 degrees
61	Roundabout exit at 180 degrees
62	Roundabout exit at 225 degrees
63	Roundabout exit at 270 degrees
64	Roundabout exit at 315 degrees
65	Roundabout exit at 45 degrees for left-driving road
66	Roundabout exit at 90 degrees for left-driving road
67	Roundabout exit at 135 degrees for left-driving road
68	Roundabout exit at 180 degrees for left-driving road
69	Roundabout exit at 225 degrees for left-driving road
70	Roundabout exit at 270 degrees for left-driving road
71	Roundabout exit at 315 degrees for left-driving road
100	Confirmation POI
-1	No icon

For a roundabout, the icon of the closest geometry will be returned, and exit number is provided as separate argument, as specified above.

To get route points as array of WGS points:

```
var wpts = decode_path(r.trip[i].pts);
```

```
var decode_path = function(encoded) {
  var pts = [];
  var index = 0, len = encoded.length;
  var lat = 0, lng = 0;
  while (index < len) {
    var b, shift = 0, result = 0;
    do {
      b = encoded.charAt(index++).charCodeAt(0) - 63;
      result |= (b & 0x1f) << shift;
      shift += 5;
    } while (b >= 0x20);

    var dlat = ((result & 1) != 0 ? ~(result >> 1) : (result >> 1));
    lat += dlat;
    shift = 0;
    result = 0;
    do {
      b = encoded.charAt(index++).charCodeAt(0) - 63;
      result |= (b & 0x1f) << shift;
      shift += 5;
    } while (b >= 0x20);
    var dlng = ((result & 1) != 0 ? ~(result >> 1) : (result >> 1));
    lng += dlng;
    pts.push([lat / 1E6, lng / 1E6]);
  }
  return pts;
};
```

To get levels (as an array):

```
var levels = decode_levels(r.trip[i].lvs);
```

```
var decode_levels = function(str){
  var lvs = new Array(parseInt(str.length / 2));
  var val = 0, i = 0, j = 0, k = 0;
  while (i < str.length) {
    val = 0;
    k = 0;
    for (; i < str.length; i++) {
      var b = str.charCodeAt(i) - 63;
      val |= (b & 0x1F) << k;
      if (!(b & 0x20))
        break;
      k += 5;
    } ++i;
    lvs[j++] = val;
  }
  lvs.length = j;
  return lvs;
};
```

The wpts array should be used to draw the route polyline on the MapmyIndia Map.