MMT Partner Integration - Complete Guide

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Environment: Production Ready

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Overview

This document provides complete integration details for the MakeMyTrip (MMT) Cab Booking partnership. It covers all API endpoints, authentication, testing procedures, and operational guidelines.

Base URL

```
https://[YOUR_DOMAIN]/partners/mmt
```

Note: Both formats are supported for backward compatibility:

- `/partners/mmt/...` (recommended)
- `/partner/mmt/...` (also works)

Example:

```
https://api.example.com/partners/mmt/partnersearchendpoint
https://api.example.com/partner/mmt/partnersearchendpoint  (also works)
```

Important Constraints (V1)

> [!IMPORTANT] **Please note these limitations for initial UAT:**

- **Vehicle Type**: Only `TATA_TIGOR_EV` is supported
- **Trip Type**: Only `AIRPORT` transfers are accepted
- **Advance Booking**: Pickup time must be **>24 hours** from now
- **City**: Defaults to `DELHI` if `pickupCity` is missing

Authentication

Method: HTTP Basic Authentication

All inbound APIs require Basic Authentication.

Credentials (will be provided separately):

- **Username**: `[PROVIDED_BY_DRIVERSKLUB]`
- **Password**: `[PROVIDED_BY_DRIVERSKLUB]`

Authorization Header Format

```
Authorization: Basic <base64_encoded_credentials>
```

Example:

```
Authorization: Basic bW10X3VzZXI6bW10X3Bhc3N3b3Jk
```

How to Generate Base64 Credentials

```
# Using command line
echo -n "username:password" | base64

# Using Node.js
node -e "console.log(Buffer.from('username:password').toString('base64'))"

# Using Python
python -c "import base64; print(base64.b64encode(b'username:password').decode())"
```

API Endpoints

1. Search Fare (Availability Check)

POST `/partnersearchendpoint`

Checks availability and returns pricing for the requested route.

Request Body (MMT Format):

We accept MMT's standard format with automatic field mapping:

```json
{
  "source": {
    "address": "Terminal 1, Indira Gandhi International Airport (DEL), New Delhi",
    "latitude": 28.5550838,
    "longitude": 77.0844015,
    "city": "Delhi"
  },
  "destination": {
    "address": "Noida, Uttar Pradesh, India",
    "latitude": 28.5355161,
    "longitude": 77.3910265,
    "city": "Noida"
  },
  "trip_type": "ONE_WAY",
  "start_time": "2026-01-16 13:00:00",
  "one_way_distance": 39,
  "partner_name": "GOMMT",
  "trip_type_details": {
    "basic_trip_type": "AIRPORT",
    "airport_type": "PICKUP"
  }
}
```

Response (Verified V3 Format):

```json
{
  "response": {
    "distance_booked": 45,
    "is_instant_search": false,
    "is_instant_available": true,
    "start_time": "2026-01-20T10:00:00.000Z",
    "is_part_payment_allowed": true,
    "communication_type": "PRE",
    "verification_type": "OTP",
    "airport_tags": ["AP"],
    "car_types": [
      {
        "sku_id": "TATA_TIGOR_EV",
        "type": "sedan",
        "subcategory": "basic",
        "combustion_type": "Electric",
        "model": "Tata Tigor",
        "carrier": false,
        "make_year_type": "Newer",
        "make_year": 2024,
        "cancellation_rule": "SUPER_FLEXI",
        "zero_payment": true,
        "min_payment_percentage": 100,
        "pax_capacity": 4,
        "luggage_capacity": 2,
        "amenities": {
          "features": {
```

```
                    "vehicle": ["AC", "Music System", "Charging Point"],
                    "driver": ["Vaccinated", "Mask"],
                    "services": []
                }
            },
            "fare_details": {
                "base_fare": 1125,
                "per_km_charge": 25,
                "per_km_extra_charge": 20,
                "total_driver_charges": 0,
                "seller_discount": 0,
                "extra_charges": {
                    "night_charges": { "amount": 0, "is_included_in_base_fare": false,
  "is_included_in_grand_total": false, "is_applicable": false },
                    "toll_charges": { "amount": 0, "is_included_in_base_fare": false,
  "is_included_in_grand_total": false, "is_applicable": true },
                    "state_tax": { "amount": 0, "is_included_in_base_fare": false,
  "is_included_in_grand_total": false, "is_applicable": true },
                    "parking_charges": { "amount": 0, "is_included_in_base_fare":
  false, "is_included_in_grand_total": false, "is_applicable": true },
                    "waiting_charges": { "amount": 100, "free_waiting_time": 45,
  "applicable_time": 30, "is_applicable": true },
                    "airport_entry_fee": { "amount": 0, "is_included_in_base_fare":
  false, "is_included_in_grand_total": false, "is_applicable": true }
                }
            }
        }
    ]
    }
}
```

Notes:

- `per_km_charge` is dynamically calculated based on total fare / distance.
- `sku_id` is always `TATA_TIGOR_EV` for V1.
- `verification_type` defaults to `OTP`.

---

2. Block Ride (Pre-book)

POST `/partnerblockendpoint`

Temporarily holds the inventory.

Request Body (MMT Format):

We accept MMT's standard format with automatic field mapping:

```
{
  "sku_id": "TATA_TIGOR_EV",
  "mmt_ref_id": "MMT-1234567890",
  "order_reference_number": "MMT-1234567890",
  "start_time": "2026-01-16 13:00:00",
  "source": {
    "city": "Delhi",
```

```json
    "address": "IGI Airport Terminal 1"
  },
  "destination": {
    "city": "Noida",
    "address": "Sector 62"
  },
  "one_way_distance": 39,
  "customer_name": "John Doe",
  "customer_mobile": "9876543210"
}
```

Field Mapping:

MMT Field	→	Internal Field
`sku_id`	→	`skuId`
`mmt_ref_id` or `order_reference_number`	→	`mmtRefId`
`start_time`	→	`pickupTime`
`one_way_distance`	→	`distanceKm`
`source.city`	→	`pickupCity`
`destination.city`	→	`dropCity`

Response:

```json
{
    "response": {
        "success": true,
        "order_reference_number": "DK-XXXXXXXX",
        "status": "BLOCKED",
        "verification_code": "4829"
    }
}
```

> [!NOTE] Price is dynamically calculated. `verification_code` is a dynamically generated 4-digit OTP. Save the `order_reference_number` (Booking ID) for subsequent steps.

---

3. Confirm Paid (Confirm Booking)

POST `/partnerpaidendpoint`

Confirms the booking after MMT collects payment from the user.

Request Body:

```json
{
  "order_reference_number": "DK-XXXXXXXX",
  "partner_reference_number": "MMT-1234567890",
  "amount_to_be_collected": 1250
}
```

Response:

```json
{
    "response": {
        "success": true,
        "order_reference_number": "DK-XXXXXXXX",
        "status": "CONFIRMED"
    }
}
```

4. Cancel Ride

POST `/partnercancelendpoint`

Cancels a confirmed booking.

Request Body:

```json
{
  "order_reference_number": "DK-XXXXXXXX",
  "cancelled_by": "Customer",
  "cancellation_reason": "Change of plans"
}
```

Response:

```json
{
    "response": {
        "success": true
    }
}
```

5. Reschedule - Check (Block)

POST `/partnerrescheduleblockendpoint`

Validates if a reschedule is possible for the new time.

Request Body:

```json
{
  "order_reference_number": "DK-XXXXXXXX",
  "start_time": "2026-01-16T14:00:00Z"
}
```

Response:

```json
{
  "response": {
    "success": true,
    "verification_code": "1234",
    "fare_details": {
      "total_amount": 1250,
      "payable_amount": 1250
    },
    "driver_details": { }
  }
}
```

6. Reschedule - Confirm

POST `/partnerrescheduleconfirmendpoint`

Commits the reschedule. **Note**: Does not require time in body; uses the time validated in the Block step.

Request Body:

```json
{
  "order_reference_number": "DK-XXXXXXXX"
}
```

Response:

```json
{
  "success": true,
  "message": "Reschedule confirmed"
}
```

7. Get Booking Details

GET `/booking/details`

Retrieves the current status of a booking. Requires Basic Authentication.

Query Parameters:

Parameter	Type	Description
`booking_id`	string	DriversKlub internal booking ID (e.g., `DK-XXXXXXXX`)
`partner_reference_number`	string	MMT external reference ID (e.g., `MMT-1234567890`)

> [!IMPORTANT] Use `booking_id` when you have our internal ID, or `partner_reference_number` when searching by MMT's reference. Only one parameter is required.

Examples:

```
# Search by DriversKlub booking ID
GET /booking/details?booking_id=DK-XXXXXXXX

# Search by MMT reference ID
GET /booking/details?partner_reference_number=MMT-1234567890
```

Response:

```json
{
  "bookingId": "DK-XXXXXXXX",
  "status": "CONFIRMED",
  "mmtRefId": "MMT-1234567890",
  "driver": {
    "name": "Driver Name",
    "phone": "9876543210",
    "vehicle": "DL01AB1234"
  }
}
```

> [!NOTE] The `driver` field is `null` if no driver has been assigned yet.

Testing Guide

Recommended Testing Route

Route: Delhi (IGI Airport) → Noida Sector 62

Details:

- Distance: 45 km
- Trip Type: AIRPORT
- Vehicle: TATA_TIGOR_EV

- Pickup Time: Any time >24 hours from now

Why this route?

- ✅ Meets 24-hour advance booking requirement
- ✅ Supported vehicle type
- ✅ AIRPORT trip type (required for V1)
- ✅ Realistic distance for pricing validation

Complete Testing Flow

Step 1: Search Fare

cURL Example:

```
curl -X POST https://[YOUR_DOMAIN]/partners/mmt/partnersearchendpoint \
  -H "Content-Type: application/json" \
  -H "Authorization: Basic [YOUR_BASE64_CREDENTIALS]" \
  -d '{
    "source": {"city": "Delhi"},
    "destination": {"city": "Noida"},
    "start_time": "2026-01-16 13:00:00",
    "trip_type_details": {"basic_trip_type": "AIRPORT"},
    "one_way_distance": 45
  }'
```

Expected: 200 OK with availability response

Step 2: Block Ride

cURL Example:

```
curl -X POST https://[YOUR_DOMAIN]/partners/mmt/partnerblockendpoint \
  -H "Content-Type: application/json" \
  -H "Authorization: Basic [YOUR_BASE64_CREDENTIALS]" \
  -d '{
    "sku_id": "TATA_TIGOR_EV",
    "mmt_ref_id": "MMT-TEST-001",
    "start_time": "2026-01-20T10:00:00.000Z",
    "source": { "city": "DELHI", "latitude": 28.61, "longitude": 77.20 },
    "destination": { "city": "GURGAON", "latitude": 28.45, "longitude": 77.02 },
    "customer_name": "Test User",
    "customer_mobile": "9876543210",
    "one_way_distance": 45
  }'
```

Expected: 200 OK with `bookingId` in response

⚠️ **Save the** `bookingId` **for next steps!**

Step 3: Confirm Paid

cURL Example (replace `DK-XXXXXXXX` with actual bookingId):

```
curl -X POST https://[YOUR_DOMAIN]/partners/mmt/partnerpaidendpoint \
  -H "Content-Type: application/json" \
  -H "Authorization: Basic [YOUR_BASE64_CREDENTIALS]" \
  -d '{
    "bookingId": "DK-XXXXXXXX",
    "amountPaid": 1250,
    "paymentRef": "PAY-TEST-001"
  }'
```

Expected: 200 OK with confirmation message

Step 4: Get Booking Details

cURL Example:

```
curl -X GET "https://[YOUR_DOMAIN]/partners/mmt/booking/details?booking_id=DK-XXXXXXXX" \
  -H "Authorization: Basic [YOUR_BASE64_CREDENTIALS]"
```

Expected: 200 OK with booking status

Alternative Test Routes

Route 2: Delhi → Gurgaon (Cyber City)

```
{
  "pickupCity": "Delhi",
  "dropCity": "Gurgaon",
  "pickupTime": "2026-01-15T14:00:00Z",
  "tripType": "AIRPORT",
  "distanceKm": 35
}
```

Route 3: Delhi (IGI) → Faridabad

```
{
  "pickupCity": "Delhi",
  "dropCity": "Faridabad",
  "pickupTime": "2026-01-15T16:00:00Z",
  "tripType": "AIRPORT",
  "distanceKm": 40
}
```

Testing Checklist

- ☐ **Authentication Test**: Verify Basic Auth works
- ☐ **Search Fare**: Test availability check
- ☐ **Block Ride**: Test booking creation
- ☐ **Confirm Paid**: Test booking confirmation
- ☐ **Get Details**: Test status retrieval
- ☐ **Cancel**: Test cancellation flow
- ☐ **Reschedule Block**: Test reschedule validation
- ☐ **Reschedule Confirm**: Test reschedule confirmation
- ☐ **Error: Invalid Credentials**: Test 401 response
- ☐ **Error: Invalid Vehicle**: Test 400 response
- ☐ **Error: Booking < 24h**: Test advance booking validation

---

Webhook Endpoints (Outbound from DriversKlub)

After booking confirmation, you will receive trip status updates at your webhook endpoints via HTTP POST requests.

Configuration

We require: - **Webhook Base URL**: Your endpoint base URL (e.g., `https://api.mmt.com/webhooks/driversklub`)

- **Authorization**: We will include a Bearer token in the Authorization header

Webhook Endpoints

Endpoint	Purpose	When Triggered
`/driver-assigned`	Driver details	When driver is assigned
`/arrived`	Driver arrival	Driver reaches pickup
`/start`	Trip started	Driver starts trip
`/pickup`	Passenger onboard	OTP verified
`/update-location`	Live GPS	Every 30 seconds
`/alight`	Trip completed	Trip ends
`/not_boarded`	No-show	Customer doesn't show
`/reassign-chauffeur`	Driver change	Driver reassigned
`/detach-trip`	Cancellation	Trip cancelled

Webhook Payload Examples

Driver Assigned

```
{
  "order_reference_number": "DK-XXXXXXXX",
  "driver_details": {
    "name": "Driver Name",
    "phone": "9876543210",
    "vehicle_number": "DL01AB1234"
  },
  "timestamp": "2026-01-15T10:00:00.000Z"
}
```

Trip Completed

```
{
  "order_reference_number": "DK-XXXXXXXX",
  "timestamp": "2026-01-15T11:30:00.000Z",
  "final_details": {
    "distance_km": 45,
    "fare_amount": 1250,
    "currency": "INR"
  }
}
```

Location Update

```
{
  "order_reference_number": "DK-XXXXXXXX",
  "timestamp": "2026-01-15T10:15:00.000Z",
  "location": {
    "lat": 28.5355,
    "lng": 77.3910
  }
}
```

Quick Reference

Endpoints Summary

Action	Endpoint
Search Fare	`POST /partnersearchendpoint`
Block Ride	`POST /partnerblockendpoint`

Confirm Paid	`POST /partnerpaidendpoint`
Cancel	`POST /partnercancelendpoint`
Reschedule Block	`POST /partnerrescheduleblockendpoint`
Reschedule Confirm	`POST /partnerrescheduleconfirmendpoint`
Booking Details	`GET /partners/mmt/booking/details`

Quick Test (Happy Path)

```
# 1. Search
POST /partnersearchendpoint
{"start_time":"2026-01-20T10:00:00.000Z","trip_type_details":
{"basic_trip_type":"AIRPORT","airport_type":"PICKUP"},"one_way_distance":45,"source":
{"city":"DELHI"},"destination":{"city":"GURGAON"},"search_id":"test-
1","partner_name":"MMT"}

# 2. Block (save order_reference_number)
POST /partnerblockendpoint
{"sku_id":"TATA_TIGOR_EV","mmt_ref_id":"MMT-TEST-1","start_time":"2026-01-
20T10:00:00.000Z","source":{"city":"DELHI"},"vehicle_details":
{"sku_id":"TATA_TIGOR_EV"},"trip_type_details":
{"basic_trip_type":"AIRPORT"},"one_way_distance":45}

# 3. Confirm
POST /partnerpaidendpoint
{"order_reference_number":"DK-XXXXXXXX","partner_reference_number":"MMT-TEST-
1","amount_to_be_collected":1250}

# 4. Cancel
POST /partnercancelendpoint
{"order_reference_number":"DK-
XXXXXXXX","cancelled_by":"Customer","cancellation_reason":"Test"}

# 5. Check Status
GET /partners/mmt/booking/details?booking_id=DK-XXXXXXXX
```

V1 Constraints

- ✅ Vehicle: `TATA_TIGOR_EV` only
- ✅ Trip Type: `AIRPORT` only
- ✅ Booking: >24 hours advance
- ✅ City: Defaults to `DELHI`

Troubleshooting

Error: 401 Unauthorized

Cause: Invalid credentials or missing Authorization header

Solution:

- Verify Authorization header format: `Authorization: Basic <base64>`
- Check credentials are correctly base64 encoded
- Ensure no extra spaces in the header

Error: 400 Bad Request - "Advance booking required"

Cause: Pickup time is less than 24 hours from now

Solution:

- Use a pickup time at least 24 hours in the future
- Example: If today is Jan 13, use Jan 15 or later

Error: 400 Bad Request - "Invalid vehicle type"

Cause: Using a vehicle type other than `TATA_TIGOR_EV`

Solution:

- Only use `"skuId": "TATA_TIGOR_EV"` in V1

Error: 400 Bad Request - "Invalid trip type"

Cause: Using a trip type other than `AIRPORT`

Solution:

- Only use `"tripType": "AIRPORT"` in V1

Error: 500 Internal Server Error

Cause: Server-side issue

Solution:

- Contact DriversKlub support team
- Provide request payload and timestamp
- Check if issue persists

Postman Collection Setup

Collection Configuration

1. **Create Collection**: "MMT Integration"
2. **Set Authorization** (Collection level):
   - Type: Basic Auth

- Username: `[PROVIDED_BY_DRIVERSKLUB]`
- Password: `[PROVIDED_BY_DRIVERSKLUB]`

3. **Set Variable**:
   - `base_url` : `https://[YOUR_DOMAIN]/partners/mmt`

Sample Requests

All requests inherit authentication from collection settings.

Search Fare:

```
POST {{base_url}}/partnersearchendpoint
Content-Type: application/json

{
  "start_time": "2026-01-20T10:00:00.000Z",
  "source": { "city": "DELHI" },
  "destination": { "city": "GURGAON" },
  "trip_type_details": {
    "basic_trip_type": "AIRPORT",
    "airport_type": "PICKUP"
  },
  "one_way_distance": 45
}
```

Block Ride:

```
POST {{base_url}}/partnerblockendpoint
Content-Type: application/json

{
  "sku_id": "TATA_TIGOR_EV",
  "mmt_ref_id": "MMT-TEST-{{$timestamp}}",
  "start_time": "2026-01-20T10:00:00.000Z",
  "source": { "city": "DELHI" },
  "trip_type_details": {
    "basic_trip_type": "AIRPORT"
  },
  "one_way_distance": 45
}
```

Support & Contact

Technical Support: [support-email]
Integration Team: [integration-email]
Documentation: This guide

Response Time:

- Critical issues: 2 hours
- General queries: 24 hours

Important Notes

- All timestamps must be in **ISO 8601 format (UTC)**
- All amounts are in **INR (Indian Rupees)**
- Phone numbers should be **10 digits (Indian format)**
- Booking IDs are prefixed with `DK-`
- MMT reference IDs should be **unique per booking**

Next Steps

1. ✅ Review this documentation
2. ✅ Set up authentication credentials
3. ✅ Test Search Fare endpoint
4. ✅ Complete full booking flow (Search → Block → Confirm)
5. ✅ Provide webhook URLs
6. ✅ Schedule integration call
7. ✅ Complete UAT testing
8. ✅ Production deployment

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Happy Testing! 🚀