

# ATHMICK REQUIREMENTS

## SERVICES

### 1. Twilio / 2Factor (SMS OTP VERIFICATION)

- **Twilio** - <https://www.twilio.com/en-us/sms/pricing/in> - Preferred for development

#### Free Trial Details:

- 30 Free Credits

India

### SMS/MMS Pricing

SMS pricing is based on the destination and type of message you're sending, as well as the carrier to which the SMS is being sent. Our pay-as-you-go pricing gives you control over your messaging costs.

Phone number type	SMS Outbound*	SMS Inbound*	MMS Outbound*	MMS Inbound*
International Numbers	\$0.0682	×	×	×

\* Text messages are charged per segment. Learn more about [character limits and message segments](#). Prices may change from time to time without notice.

- **2Factor** - <https://2factor.in/v3/bulk-sms-pricing>

**SMS OTP SERVICE**

Useful For Sending One Time Password Over SMS,  
For Phone Verification

₹ 0.165 ±.25 /

Pay for OTP "delivered" within 15 Sec

Price: ₹ 0.165 - 0.25 volume based

BUY OTP PACK

Payments Powered By

**instamojo**

FEATURES

Global Coverage

2-6 Seconds Avg Delivery

Life Time Validity

Simple HTTP API

Pay Per Delivered OTP

FREE Fallback SMS

Delivered to DND Numbers

Check International OTP Pricing

## 2. AWS (Storage + Frontend & Backend Hosting)

- **S3** - <https://aws.amazon.com/s3/pricing/>

Storage (Video, audio, Image, files)

### S3 Free Trial Details:

- 12 MONTHS FREE
- 5 GB in the S3 Standard storage class
- 20,000 Get Requests
- 2,000 Put, Copy, Post, or List Requests

**S3 Standard** - General purpose storage for any type of data, typically used for frequently accessed data

First 50 TB / Month	\$0.023 per GB
Next 450 TB / Month	\$0.022 per GB
Over 500 TB / Month	\$0.021 per GB

**S3 Intelligent - Tiering\*** - Automatic cost savings for data with unknown or changing access patterns

Monitoring and Automation, All Storage / Month (Objects > 128 KB)	\$0.0025 per 1,000 objects
Frequent Access Tier, First 50 TB / Month	\$0.023 per GB
Frequent Access Tier, Next 450 TB / Month	\$0.022 per GB
Frequent Access Tier, Over 500 TB / Month	\$0.021 per GB
Infrequent Access Tier, All Storage / Month	\$0.0125 per GB
Archive Instant Access Tier, All Storage / Month	\$0.004 per GB

**S3 Intelligent - Tiering\*** - Optional asynchronous Archive Access tiers

Archive Access Tier, All Storage / Month	\$0.0036 per GB
Deep Archive Access Tier, All Storage / Month	\$0.00099 per GB

**S3 Standard - Infrequent Access\*\*** - For long lived but infrequently accessed data that needs millisecond access

All Storage / Month	\$0.0125 per GB
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**S3 One Zone - Infrequent Access\*\*** - For re-createable infrequently accessed data that needs millisecond access

All Storage / Month	\$0.01 per GB
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**S3 Glacier Instant Retrieval\*\*\*** - For long-lived archive data accessed once a quarter with instant retrieval in milliseconds

All Storage / Month	\$0.004 per GB
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**S3 Glacier Flexible Retrieval (Formerly S3 Glacier)\*\*\*** - For long-term backups and archives with retrieval option from 1 minute to 12 hours

All Storage / Month	\$0.0036 per GB
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**S3 Glacier Deep Archive\*\*\*** - For long-term data archiving that is accessed once or twice in a year and can be restored within 12 hours

All Storage / Month	\$0.00099 per GB
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- **Amplify** - <https://aws.amazon.com/amplify/pricing/>

Frontend Hosting

### Amplify Free Trial Details:

- 12 MONTHS FREE
- BUILD & DEPLOY - No cost up to 1,000 build minutes per month
- DATA STORAGE - No cost up to 5 GB stored on CDN per month
- DATA TRANSFER OUT - No cost up to 15 GB per month
- REQUEST COUNT (SSR) - No cost up to 500,000 requests per month
- REQUEST DURATION (SSR) - No cost up to 100 GB-hours per month

### Example 1

A startup team with 5 developers have an app that has 300 daily active users. The team commits code 2 times per day.

#### Monthly build & deploy charges

- Assumptions: Average build time = 3 mins; Number of work days/month = 20
- Total build time per month = num of devs \* num of commits/day \* num of days \* avg. build time =  $5 * 2 * 20 * 3 = 600$  build mins per month
- **Monthly build & deploy charges =  $600 * .01 = \$6$**

#### Monthly hosting charges

- Assumptions: Web app size = 25 MB, average size of page requested = 1.5 MB
- Monthly GB served = Daily active users \* average page size \* days =  $300 * (1.5/1024) * 30 = 13.18$  GB
- Monthly GB stored = web app size \* number of monthly builds =  $(25/1024) * (5 * 2 * 20) = 4.88$  GB
- **Monthly hosting charges =  $13.18 * \$0.15 + 4.88 * \$0.023 = \$1.97 + \$0.11 = \$2.08$**

#### Total monthly charges

**Total charges = Build & deploy charges + Hosting charges =  $\$6 + \$2.08 = \$8.08$  per month**

### Example 2

A web app has 10,000 daily active users and is updated 2 times per month.

#### Monthly build & deploy charges

- Assumptions: Average build time = 3 mins
- Total build time per month = num of updates/month \* avg. build time =  $2 * 3 = 6$  build mins per month
- **Monthly build & deploy charges =  $6 * .01 = \$0.06$**

#### Monthly hosting charges

- Assumptions: Web app size = 100 MB, average size of page requested = 1.5 MB
- Monthly GB served = Daily active users \* average page size \* days =  $10,000 * (1.5/1024) * 30 = 439.45$  GB
- Monthly GB stored = web app size \* number of monthly builds =  $(100/1024) * 2 = 0.19$  GB
- **Monthly hosting charges =  $439.45 * \$0.15 + 0.19 * \$0.023 = \$65.92$**

#### Total monthly charges

**Total charges = Build & deploy charges + Hosting charges =  $\$0.06 + \$65.92 = \$65.98$  per month**

- **EC2** - <https://aws.amazon.com/ec2/pricing/on-demand/>

Backend Hosting

#### **EC2 Free Trial Details :**


- 12 MONTHS FREE
- 750 hours/month

### 3. MongoDB ( DATABASE) - <https://www.mongodb.com/pricing>

#### MongoDB Free Trial Details :

- 512MB to 5GB of storage

Recommended

 **Dedicated**

from \$57/month

Sign Up

(i) Estimated based on \$0.08 per hour

For production applications with sophisticated workload requirements. Advanced configuration controls.

✓ 10GB to 4TB of storage

✓ 2GB to 768GB RAM

✓ Network isolation and fine-grained access controls

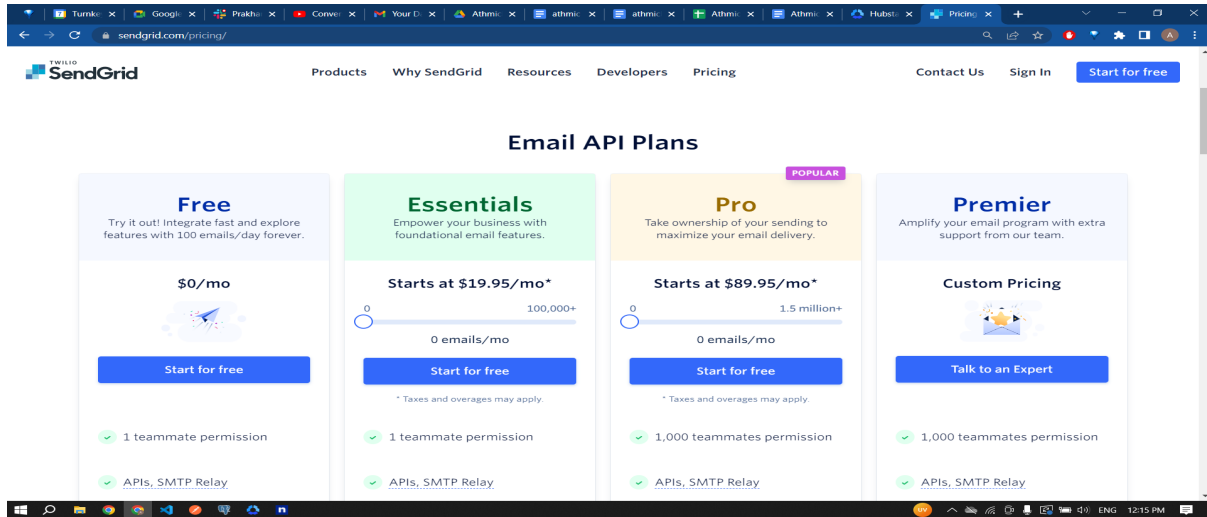
✓ Multi-region and multi-cloud options available

[View pricing](#)

### 4. Sendgrid- <https://sendgrid.com>

For sending mails

Pricing



## 5) Open ai-

Chat gpt for

- summarization of chat conversation between bot and user
- For mood score generation

## 6) GOOGLE CLOUD TEXT TO SPEECH API - <https://cloud.google.com/text-to-speech#section-2>

PRICING:

Feature	Free per month	Price after free usage limit is reached
Neural2 voices	0 to 1 million bytes	US\$0.000016 per byte (US\$16 per 1 million bytes)
Polyglot (Preview) voices	0 to 1 million bytes	US\$0.000016 per byte (US\$16 per 1 million bytes)
Studio (Preview) voices	0 to 100 thousand bytes	US\$0.00016 per byte (US\$160 per 1 million bytes)
Standard voices	0 to 4 million characters	US\$0.000004 per character (US\$4 per 1 million characters)
WaveNet voices	0 to 1 million characters	US\$0.000016 per character (US\$16 per 1 million characters)