

# ASFNA Web Application – Quotation

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## 1. Project Overview

This quotation covers the full development of the ASFNA Web Application. The system supports:

- Team, vendor, volunteer registrations
- Match scheduling, live scoring, standings
- Media uploads & content management
- Sponsorships & donations
- Multilingual support (English + Amharic)
- Seasonal AWS hosting to minimize running costs

## 2. Project Deliverables

### A. Frontend (Next.js)

- Modern responsive React-based interface
- Pages: Home, Registration, Teams, Players, Schedule, Results, Media, Sponsors, Blog, Contact
- English + Amharic
- SEO optimized (sitemap, structured data)

## **B. Backend (Python REST API)**

- Tournament workflows
- Match fixtures & scoring
- Standings & ranking logic
- Admin dashboard APIs
- Role-based permissions
- SES email notifications

## **C. Authentication**

- Amazon Cognito
- Google Login
- Admin, Media, Volunteer, Team Manager roles

## **D. Database (PostgreSQL on EC2)**

- Teams & players
- Matches & results
- Sponsorships
- Registrations
- Audit logs

## **E. Media & CMS**

- Strapi CMS
- Models for blogs, news, media, announcements

- S3 uploads (images/videos)
- Content scheduling

## F. Payments

- Stripe donations & registration fees
- Webhooks for confirmations

## G. AWS Infrastructure Setup

- EC2 backend
- S3 media + CloudFront CDN
- SES email
- CloudWatch logs
- Domain + SSL configuration
- Seasonal backend activation (on/off)

# 3. Project Timeline

**Estimated Duration: 10–14 Weeks**

Phase	Duration	Deliverables
Planning & Architecture	1 week	Full system architecture
Frontend Development	3–4 weeks	Pages & components
Backend Development	4 weeks	APIs, logic, scoring

Auth + Payments	1 week	Cognito + Stripe
CMS Integration	1 week	Strapi setup
AWS Deployment	1 week	EC2, S3, CloudFront
QA + Bug Fixing	1 week	Testing & refinement
<b>Total</b>	<b>10–14 weeks</b>	Full delivery

## 4. Cost Breakdown.

### A. Frontend Development (Next.js)

*(UI already handled separately — only implementation cost)*

Feature	Cost (ETB)
Page development & responsiveness	35,000–45,000
SEO & performance	5,000–7,000
<b>Subtotal</b>	<b>40,000–52,000 ETB</b>

### B. Backend (Python API + PostgreSQL)

Feature	Cost (ETB)
Registration workflows	20,000–25,000
Match scheduling & scoring logic	15,000–20,000
Role-based authentication (Cognito)	10,000–12,000
Payments (Stripe)	5,000–8,000

Admin dashboard APIs	8,000–12,000
<b>Subtotal</b>	<b>58,000–77,000</b> <b>ETB</b>

## C. CMS Development (Strapi)

Feature	Cost (ETB)
CMS installation + models	10,000–12,000
Blog/news setup	4,000–6,000
CMS training & guides	3,000–5,000
<b>Subtotal</b>	<b>17,000–23,000</b> <b>ETB</b>

## D. AWS Infrastructure Setup

Feature	Cost (ETB)
EC2 setup (API + CMS)	5,000–7,000
S3 + CloudFront setup	4,000–6,000
SES email setup	2,000–3,000
CloudWatch logs	2,000–3,000
Domain + SSL	1,000–2,000
<b>Subtotal</b>	<b>14,000–21,000</b> <b>ETB</b>

## E. Testing, QA & Deployment

Feature	Cost (ETB)
Functional testing	4,000–6,000

Performance testing	4,000–6,000
Bug fixes & optimization	4,000–7,000
Final deployment	4,000–6,000
<b>Subtotal</b>	<b>16,000–25,000 ETB</b>

## Total Development Cost

**155,000 ETB – 200,000 ETB**

**Approx. \$1,000 – \$1,280 USD**

## Cost Comparison: Ethiopia vs USA

### Typical Ethiopia market cost:

**\$5,500 – \$8,100 USD**  
(≈ 852,500 – 1,255,500 ETB)

### USA market cost (≈ 3× Ethiopia):

**\$16,500 – \$24,300 USD**

## 5. Payment Terms

- ✓ 30% — Project kickoff
- ✓ 40% — Backend + frontend core completion
- ✓ 20% — CMS & AWS setup
- ✓ 10% — Final deployment