

# REQUEST FOR PROPOSAL (RFP)

**Project: E-commerce Website Development**

**Issued by: Def Technologies Pvt. Ltd.**

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## 1. Company Overview

Def Technologies Pvt. Ltd. is a digital solutions company specializing in **web and mobile application development, cloud integration, and end-to-end enterprise solutions**. We aim to provide modern, scalable, and user-friendly solutions to help businesses increase revenue, enhance customer experience, and streamline operations.

We are now seeking a qualified vendor to design and develop a **modern, responsive, and feature-rich e-commerce platform**.

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## 2. Project Requirements

### 2.1 Project Overview

The objective is to build an **end-to-end e-commerce platform** that allows customers to browse products, place orders, make secure payments, and track deliveries. The platform should support both **B2C and B2B transactions**, be mobile-friendly, and offer an intuitive user experience.

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### 2.2 Business Goals

- Launch a **scalable e-commerce website** with responsive design.
  - Enhance **customer experience** with seamless navigation and checkout.
  - Enable **secure payment processing** and easy integration with multiple payment gateways.
  - Automate **inventory management, order tracking, and reporting**.
  - Support **multi-language and multi-currency** options (optional).
  - Integrate marketing and analytics tools for customer insights.
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### 2.3 Scope of Work

## A. Frontend Development

- Responsive web UI compatible with desktop and mobile.
- Product catalog, search, filters, and sorting.
- Shopping cart, checkout flow, and payment gateway integration.
- Customer accounts, order history, and wishlists.
- Admin dashboard for managing products, orders, and users.

## B. Backend Development

- API layer for frontend and mobile integration.
- User authentication, role management, and security.
- Inventory management and order processing logic.
- Reporting and analytics.

## C. Infrastructure & Deployment

- Cloud hosting on **Azure / AWS / GCP**.
- CI/CD pipeline setup.
- Security best practices, including SSL, firewall, and secure storage.

## D. Testing & Quality

- Functional testing and bug fixing.
- Performance and load testing.
- User acceptance testing (UAT).

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## 2.4 Technology Stack (Preferred)

- **Frontend:** React.js / Angular / Vue.js
- **Backend:** Node.js / .NET Core / Python (Django/Flask)
- **Database:** SQL (PostgreSQL / MySQL) or NoSQL (MongoDB)
- **Cloud / DevOps:** Azure / AWS / GCP, Docker, CI/CD
- **Payment Integration:** Stripe, Razorpay, PayPal, etc.

- **Optional:** PWA support, SEO optimization, analytics tools
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## 2.5 Project Management

- **Communication:** Weekly calls via Teams/Zoom, daily Slack updates.
  - **Methodology:** Agile (Scrum/Kanban).
  - **Tools:** Jira / Azure DevOps for project tracking.
  - **Documentation:** Architecture diagrams, API docs, user manuals.
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## 2.6 Roles Required

- Project Manager / Scrum Master
  - Frontend Developer(s)
  - Backend Developer(s)
  - UI/UX Designer
  - QA Engineer
  - DevOps Engineer
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## 2.7 Responsibilities Allocation

### Vendor Responsibilities:

- Design, develop, test, and deploy the platform.
- Provide project documentation and training.
- Support post-deployment maintenance (optional).

### Def Technologies Responsibilities:

- Provide brand guidelines, product catalogs, and business rules.
  - Approve wireframes, design, and milestones.
  - Provide access to any required third-party APIs or systems.
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## 2.8 NDA Requirement

Vendors must sign a **Non-Disclosure Agreement** before accessing any proprietary business data, product information, or documents.

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## 3. Project Budget and Timeline

- **Budget:** Vendors should provide detailed cost estimates for design, development, deployment, and optional post-launch support.
- **Timeline:**
  - Phase 1: Requirement analysis & wireframing – 2 weeks
  - Phase 2: UI/UX & frontend development – 4–6 weeks
  - Phase 3: Backend & integration – 4–6 weeks
  - Phase 4: Testing & UAT – 2–3 weeks
  - Phase 5: Deployment & handover – 1 week

Total estimated project duration: **12–16 weeks**.

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## 4. Proposal Requirements

Vendors must include in their proposal:

1. Company profile and relevant experience.
2. Proposed solution architecture and technical approach.
3. Project plan, milestones, and timeline.
4. Team composition with resumes.
5. Cost breakdown and payment schedule.
6. Risk assessment and mitigation strategy.
7. Any innovation or added value offered.

**Proposal Submission Deadline:** DD/MM/YYYY

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## 5. Point of Contact

**Name:** [Project Manager / Contact Person]

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