**AEP Pass System – Detailed Budget Estimation**

**Client:** Airport Authority of India  
**Project:** Contactless AEP Pass System for Airport Systems  
**Duration:** Working Prototype is ready

1. **Software Development/Product Cost**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Qty** | **Rate/Salary (₹)** | **Total (₹)** |
| Developer Cost | 1 | ₹75,000/month | ₹6,00,000 |
| UI/UX Design | 1 | ₹60,000 | ₹60,000 |
| Testing & QA | 1 | ₹1,00,000 | ₹1,00,000 |
| Deployment & Setup | 1 | ₹40,000 | ₹40,000 |
| Feature Enhancements (post UAT) | 1 | ₹1,00,000 | ₹1,00,000 |
| **Subtotal** |  |  | **₹9,00,000** |

1. **Website Hosting & Infrastructure**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Qty** | **Rate** | **Total (₹)** |
| Domain (per year) | 1 | ₹75,000 | ₹75,000 |
| Hosting (AWS) | 3 years | ₹25,000/year | ₹75,000 |
| SSL Certificate (multi-year) | 1 | ₹25,000 | ₹25,000 |
| Application Load Balancer & Monitoring | Lump sum | ₹40,000 | ₹40,000 |
| **Subtotal** |  |  | **₹2,15,000** |

1. **Storage Requirement (10 Years of user history– AWS S3 Estimate)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Data Estimate** | **Rate** | **Total (₹)** |
| AWS S3 Storage (0.3 TB × 10 years) | 3 TB | ₹2,500/TB/year | ₹75,000 |
| AWS Glacier Deep Archive (for backups) | 3 TB | ₹1,200/TB/year | ₹36,000 |
| Data Redundancy & Retrieval | Lump sum | ₹1,00,000 | ₹1,00,000 |
| AWS Lifecycle Policies, Monitoring | Lump sum | ₹1,00,000 | ₹1,00,000 |
| **Subtotal** |  |  | **₹3,11,000** |

1. **Hot Standby / Disaster Recovery (DR) Server**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Qty** | **Rate (₹)** | **Total (₹)** |
| Primary Hosting Server (Active/Working) | 1 | ₹1,20,000/year | ₹1,20,000 |
| Secondary Hot Standby Server (Active-Passive Setup) | 1 | ₹40,000/year | ₹40,000 |
| Real-Time Data Sync & Failover Configuration (One-time setup) | 1 | ₹40,000 | ₹40,000 |
| DR Testing & Drill Simulation | 1 | ₹30,000 | ₹30,000 |
| **Subtotal** |  |  | **₹2,30,000** |

1. **AMC / CMC (3 Years)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Qty** | **Rate** | **Total (₹)** |
| AMC (Support, Monitoring, Upgrades) | 3 years | ₹1,50,000/year | ₹1,50,000 |
| Annual Security Patch, Pen Test & Bug Fix | 3 | ₹2,00,000/year | ₹3,00,000 |
| **Subtotal** |  |  | **₹4,50,000** |

1. **Documentation, Training & Support**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Qty** | **Rate** | **Total (₹)** |
| Project Documentation & Handover Docs | 1 | ₹1,50,000 | ₹50,000 |
| Admin/User Training for AAI staff | 1 | ₹2,00,000 | ₹2,00,000 |
| Ongoing Technical Handholding (3 months post live) | Lump sum | ₹1,00,000 |  |
| **Subtotal** |  |  | **₹3,50,000** |

1. **Deployment & Operational Expenses**

|  |  |  |
| --- | --- | --- |
| **Item** | **Description** | **Estimated Cost (₹)** |
| Monitor/Display Setup | For authority dashboard/station use | ₹1,00,000 |
| Labour/Support Staff | Manual coordination, setup | ₹80,000 |
| Travel & Logistics (Demo/setup) | Travel to airport for setup/demo | ₹60,000 |
| Local Internet/WiFi Setup | If required at counters | ₹50,000 |
| **Subtotal** |  | **₹2,90,000** |

1. **Power Backup / UPS System**

|  |  |  |
| --- | --- | --- |
| **Item** | **Description** | **Total (₹)** |
| Industrial UPS Setup | For servers/network/storage components | ₹2,00,000 |
| Battery Backup (Extended Runtime) | Minimum 2–4 hours | ₹75,000 |
| Installation, Wiring, Safety Certification | Includes surge protection | ₹25,000 |
| **Subtotal** |  | **₹3,00,000** |

**Total Estimation Summary**

| **No** | **Category** | **Estimated Cost (₹)** |
| --- | --- | --- |
| 1. | Software Development / Product Cost | ₹9,00,000 |
| 2. | Website Hosting & Infrastructure | ₹2,15,000 |
| 3. | Storage Requirement (10 Years – AWS S3) | ₹3,11,000 |
| 4. | Hot Standby / Disaster Recovery Server | ₹2,30,000 |
| 5. | AMC / CMC (3 Years) | ₹4,50,000 |
| 6. | Documentation, Training & Support | ₹3,50,000 |
| 7. | Deployment & Operational Expenses | ₹2,90,000 |
| 8. | Power Backup / UPS System | ₹3,00,000 |
|  | **Total Project Cost** | **₹30,46,000** |

**Final Rollout Summary for Nationwide Deployment**

**Deployment Scope:**

* Number of Airports: **100**
* Units to Deploy: 100 (One per airport)
* Deployment Model: Centralized cloud backend with localized front-end access and disaster recovery setup per airport
* Support Model: Central team with regional support and annual AMC/CMC

**Budget Summary:**

|  |  |
| --- | --- |
| **Description** | **Value** |
| Estimated Cost per Airport Unit | ₹30,46,000 |
| Total Estimated Cost for 100 Units | ₹30,46,000 × 100 = ₹30,46,00,000 (₹30.46 Cr) |
| Total Budget | **₹30,46,00,000 (₹30.46 Cr)** |