TENDER ADDENDUM VOLUME 1A

APPENDIX A: ELEMENT WEIGHTINGS

|  |  |  |  |
| --- | --- | --- | --- |
| **ELEMENT No.** | **Paragraph** | **ELEMENT Name** | **Weighting (%)** |
|  |  | **Volume 2 – TECHNICAL SPECIFICATIONS** | **100%** |
|  | 1 | GENERAL INSTRUCTIONS TO BIDDERS |  |
| **E1** | **2** | **REFERENCES** | 2.00% |
| **E2** | **3** | **INTRODUCTION** |  |
| E2.1 | 3.1 | Scope of Work Overview | 1.00% |
|  | 3.2 | Intended Use Overview | 0.00% |
| E2.2 | 3.3 | Basic ATFM System Elements | 1.00% |
| E2.3 | 3.4 | Project Overview | 1.00% |
| E2.4 | 3.5 | Aviation System Block Upgrades (ASBU) | 1.00% |
| E2.5 | 3.6 | System Wide Information Management (SWIM) | 1.00% |
| **E3** | **4** | **ATFM SYSTEM FUNCTIONAL CAPABILITIES** |  |
| E3.1 | 4.1 | ATFM Key Performance Indicators (KPI) | 1.25% |
| E3.2 | 4.2 | Airport | 1.25% |
| E3.3 | 4.3 | Approach | 1.25% |
| E3.4 | 4.4 | En-route | 1.25% |
| E3.5 | 4.5 | Regional | 1.00% |
| E3.6 | 4.6 | Long-Range ATFM (LR-ATFM) | 1.00% |
| E3.7 | 4.7 | Unmanned Traffic Flow Management (UTFM) | 1.00% |
| **E4** | **5** | **ATFM SYSTEM INTERFACES** |  |
| E4.1 | 5.1 | Interfaces to/from other systems | 1.00% |
| E4.2 | 5.2 | Provision of Interfaces | 1.00% |
| E4.3 | 5.3 | Interface Community | 1.00% |
| E4.4 | 5.4 | ATFM Main System Interface Requirements | 3.00% |
| **E5** | **6** | **ATFM SYSTEM SOFTWARE APPLICATION MODELS** |  |
| E5.1 | 6.1 | The Generic Data Gateway (GDG) Function | 2.50% |
| E5.2 | 6.2 | Flight Data Processor (FDP) Function | 3.00% |
| E5.3 | 6.3 | Flight Plan Conflict Function (FPCF) | 2.50% |
| E5.4 | 6.4 | Temporary Segregated Airspace/Area (TSA) Function | 2.50% |
| E5.5 | 6.5 | Flexible Use of Airspace (FUA) Function | 2.50% |
| E5.6 | 6.6 | Segregated Airspace Probe (SAP) Function | 2.50% |
| E5.7 | 6.7 | Airports Flow Tool (AFT) Function | 4.00% |
| E5.8 | 6.8 | Capacity Management and Monitoring | 4.00% |
| E5.9 | 6.9 | Electronic Mail (Email) | 2.50% |
| E5.10 | 6.10 | NTP synchronization requirement | 2.50% |
| E5.11 | 6.11 | NOTAM Function | 2.50% |
| **E6** | **7** | **GENERAL REQUIREMENTS** |  |
| E6.1 | 7.1 | IT Requirements | 2.00% |
| E6.2 | 7.2 | Security Management | 2.00% |
| E6.3 | 7.3 | Reports | 3.00% |
| **E7** | **8** | **SUPPORTING SYSTEM REQUIREMENTS** |  |
| E7.1 | 8.1 | ATFM System Platforms | 1.25% |
| E7.2 | 8.2 | ATFM Main System | 1.25% |
| E7.3 | 8.3 | ATFM Disaster and Recovery (DR) System | 1.25% |
| E7.4 | 8.4 | ATFM ATA Training System | 1.25% |
| E7.5 | 8.5 | Mains Power and Backup Power Supply | 1.25% |
| E7.6 | 8.6 | Software Licenses | 1.25% |
| E7.7 | 8.7 | Environmental Conditions | 1.25% |
| E7.8 | 8.8 | General Requirements | 1.25% |
| **E8** | **9** | **HARDWARE REQUIREMENTS** |  |
| E8.1 | 9.1 | General | 1.25% |
| E8.2 | 9.2 | Computer Specifications | 1.25% |
| E8.3 | 9.3 | Workstations Screens Specifications | 1.25% |
| E8.4 | 9.4 | HDMI Wi-Fi Specifications | 1.25% |
| E8.5 | 9.5 | Televisions (TV) | 1.25% |
| E8.6 | 9.6 | Network and Firewall Specifications | 1.25% |
| E8.7 | 9.7 | Equipment Racks Deployment | 1.25% |
| E8.8 | 9.8 | Consoles and Furniture | 1.25% |
|  | 9.9 | Air Conditioning System | 0.00% |
| **E9** | **10** | **SYSTEMS MANAGEMENT, SUPPORT AND MAINTENANCE** |  |
| E9.1 | 10.1 | Technical System Control, Monitoring and Supervision (CMS) | 1.50% |
| E9.2 | 10.2 | Control | 1.50% |
| E9.3 | 10.3 | Network Monitoring and Management | 1.50% |
| E9.4 | 10.4 | CWS Data Recording and Replay | 1.50% |
| E9.5 | 10.5 | User Events Recording | 1.50% |
| E9.6 | 10.6 | Connections and Links Monitoring | 1.50% |
| E9.7 | 10.7 | System Backup | 1.50% |
| E9.8 | 10.8 | Fault and Error Handling | 1.50% |
| E9.9 | 10.9 | Server Management and Redundancy | 1.50% |
| E9.10 | 10.10 | Database Management | 1.50% |
| E9.11 | 10.11 | Computer HDD Clone/Re-build Tool | 1.50% |
| **E10** | **11** | **ENVIRONMENTAL AND SUSTAINABILITY REQUIREMENTS** |  |
| E10.1 | 11.1 | Product Safety | 1.50% |
| E10.2 | 11.2 | Waste handling and disposal | 1.50% |
| E10.3 | 11.3 | Energy Efficiency | 1.50% |
|  |  |  |  |
| **ELEMENT No.** | **Paragraph** | **ELEMENT Name** | **Weighting (%)** |
|  |  | **Volume 3 – PROJECT MANAGEMENT SPECIFICATIONS** | **100%** |
|  | **1** | **GENERAL INSTRUCTIONS TO BIDDERS** |  |
| **E1** | **2** | **BIDDER/CONTRACTOR OBLIGATIONS** | **2%** |
| **E2** | **3** | **PROJECT MANAGEMENT** |  |
| E2.1 | 3.1 | GENERAL | 9% |
| E2.2 | 3.2 | PROJECT MANAGEMENT PLAN | 2% |
| E2.3 | 3.3 | PROJECT STATUS REPORTS | 3% |
|  | 3.3.1 | General |  |
|  | 3.3.2 | Master Project Schedule |  |
|  | 3.3.3 | Activity Dictionary |  |
| E2.4 | 3.4 | DATA MANAGEMENT | 2% |
| E2.5 | 3.5 | PROGRESS REVIEW MEETINGS | 2% |
|  | 3.5.1 | Requirements |  |
|  | 3.5.2 | Matters for Consideration |  |
|  | 3.5.3 | Participants in Progress Review Meetings |  |
|  | 3.5.4 | Documentation |  |
|  | 3.5.5 | Costs |  |
| E2.6 | 3.6 | WORK BREAKDOWN STRUCTURE | 6% |
| E2.7 | 3.7 | PROJECT RESOURCES | 3% |
|  | 3.7.1 | Resumes of Key Personnel |  |
|  | 3.7.2 | Resource Allocation Plan |  |
| **E3** | **4** | **SYSTEM ENGINEERING** |  |
| E3.1 | 4.1 | SYSTEM ENGINEERING MASTER PLAN | 14% |
| E3.2 | 4.2 | TEST AND EVALUATION MASTER PLAN | 14% |
| E3.3 | 4.3 | INSTALLATION, TRANSITION AND COMMISSIONING (ITC) PLANS | 14% |
| E3.4 | 4.4 | HEALTH AND SAFETY MANAGEMENT PLAN | 3% |
| E3.5 | 4.5 | RISK MANAGEMENT PLAN | 3% |
| E3.6 | 4.6 | TECHNICAL REVIEWS AND MEETINGS | 6% |
| **E4** | **5** | **ENVIRONMENTAL MANAGEMENT PROGRAMME** | **6%** |
| **E5** | **6** | **QUALITY ASSURANCE** |  |
| E5.1 | 6.1 | QUALITY ASSURANCE PROGRAMS | 5% |
| E5.2 | 6.2 | QUALITY ASSURANCE AUDITS | 2% |
| E5.3 | 6.3 | RESPONSIBILITY FOR QUALITY ASSURANCE | 2% |
| E5.4 | 6.4 | CONTRACT DATA REQUIREMENTS LIST | 1% |
| **E6** | **7** | **ACSA PERMITS** | **1%** |
|  | 7.1 | Personal Permit |  |
|  |  |  |  |
|  |  |  |  |
| **ELEMENT No.** | **Paragraph** | **ELEMENT Name** | **Weighting (%)** |
|  |  | **Volume 4 – LOGISTIC SUPPORT SPECIFICATIONS** | **100%** |
|  | **1** | **INTRODUCTION** |  |
|  | **2** | **ATNS Logistics Maintenance and Support Concept** |  |
|  | **3** | **GENERAL INSTRUCTIONS TO BIDDERS** |  |
| **E1** | **4** | **BIDDER/CONTRACTOR OBLIGATIONS** | **1%** |
|  | **5** | **PHASE 1: DEVELOPMENT PHASE** |  |
| E2 | 5.1. | System Performance Requirements | 4% |
| **E3** | **6** | **SUPPORT CONCEPT** |  |
| E3.1 | 6.1 | Support Concept Proposal | 1% |
| E3.2 | 6.2 | (LSIP) Logistic Support Implementation Plan | 1% |
|  | 6.3 | Logistic Support Plan (LSP) |  |
| E3.3 | 6.4 | Reliability, Availability and Maintainability Plan (RAMP) | 8% |
| E3.4 | 6.5 | Training Plan (TP) (Including provision of training) | 2% |
| E3.4.1 | 6.5.1 | ATFM Controller Training | 2% |
| E3.4.2 | 6.5.2 | Technical Maintenance Training | 2% |
| E3.4.3 | 6.5.3 | Software and/or Firmware Training | 1% |
| E3.4.4 | 6.5.4 | Hardware Training | 1% |
| E3.4.5 | 6.5.5 | Training Requirements | 5% |
| E3.4.6 | 6.5.6 | General | 5% |
| E3.5 | 6.6 | Spares Plan (SP) | 6% |
| E3.6 | 6.7 | Test Equipment Plan (TEP) | 5% |
| E3.7 | 6.8 | Documentation Plan (DP) | 9% |
| E3.8 | 6.9 | Package Handling Storage and Transport Plan (PHS&TP) | 2% |
| E3.9 | 6.10 | Configuration Management Plan (CMP) | 6% |
| E3.10 | 6.11 | Total LRU Repair Costs (over the System Lifespan) | 2% |
| E3.11 | 6.12 | System Lifespan | 1% |
| E3.12 | 6.13 | Interface Control Document (ICD) | 1% |
|  | **7** | **PHASE 2: IMPLEMENTATION PHASE** |  |
| **E4** | **8** | **PHASE 3 - VALIDATION PHASE** |  |
| E4.1 | 8.1 | PBU | 10% |
| E4.2 | 8.2 | Verification | 6% |
| E4.3 | 8.3 | Updates | 2% |
|  | **9** | **PHASE 4: APPLICATION PHASE** |  |
|  | 9.1 | Application of Logistics Support Plan |  |
| **E5** | **10** | **CONTRACT DATA REQUIREMENTS LIST** | **3%** |
| **E6** | **11** | **SYSTEM FAILURE DEFINITION AND RELATED CORRECTION SERVICE LEVELS** | **3%** |
| **E7** | **12** | **MAINTENANCE SUPPORT CONTRACT REQUIREMENTS** | **11%** |
|  |  |  |  |

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| --- | --- |
|  | **Weight** |
| Volume 2 – TECHNICAL SPECIFICATIONS | 65% |
| Volume 3 – PROJECT MANAGEMENT SPECIFICATIONS | 15% |
| Volume 4 – LOGISTIC SUPPORT SPECIFICATIONS | 20% |
|  | **100%** |

**Overall threshold of 75% and a required minimum score for Volume 2 of 75%, Volume 3 of 75% and Volume 4 of 75%**