



TENDER NO:NEDA/SCM 01/2025-2026: APPOINTMENT OF A SERVICE PROVIDER FOR THE FEASIBILITY STUDY, DESIGN, INSTALLATION AND MAINTENANCE OF FREE-STANDING AND DIGITAL BILLBOARDS FOR NKANGALA ECONOMIC DEVELOPMENT AGENCY AS AND WHEN REQUIRED FOR A PERIOD OF 36 MONTHS

## NKANGALA ECONOMIC DEVELOPMENT AGENCY



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SCOPE OF WORK

### **C3.1. SCOPE OF WORKS**

#### **C3.1.1 Employer's objectives**

**Appointment of a Service Provider for the Feasibility Study, Design, Installation and Maintenance of Free-Standing and Digital Billboards for Nkangala Economic Development Agency (NEDA) as and when required for a period of 36 months.**

The Nkangala Economic Development Agency hereby invites suitably qualified and experienced service providers to submit bids for the feasibility study, design, installation, operation and maintenance of free-standing static and digital billboards within the jurisdiction of Nkangala District Municipality on an as-and-when-required basis for a period of thirty-six (36) months. The objective is to ensure that all proposed billboard locations are technically viable, financially sustainable, legally compliant, and strategically positioned. This includes:

- Identifying high-visibility and high-traffic locations within Nkangala District.
- Conducting traffic volume and audience exposure studies.
- Assessing land ownership and securing site permissions.
- Evaluating environmental and zoning restrictions.
- Conducting geotechnical and structural suitability assessments.
- Determining availability of electrical supply and digital connectivity (for digital billboards).
- Performing financial viability studies including projected revenue and return on investment.

The outcome must be a detailed feasibility report with clear recommendations on approved and implementable sites.

#### **C3.1.2 To Design Compliant and Structurally Sound Billboard Infrastructure**

The objective is to ensure that all billboard structures are safe, durable, aesthetically acceptable, and compliant with engineering and legal standards. This includes:

- Preparing structural engineering designs for free-standing static and digital billboards.
- Provide 3D renders and technical drawings
- Designing reinforced concrete foundations suitable for site conditions.
- Performing wind load and structural stability calculations.
- Designing electrical layouts and lighting systems.
- Integrating digital display systems with brightness control and remote management capability.
- Ensuring compliance with SANS standards, building regulations, and municipal outdoor advertising by-laws.
- Obtaining all required design approvals and certifications.
- Design foundations according to soil conditions.
- Integrate wind-load and safety calculations certified by a registered professional engineers
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- Integrate wind-load and safety calculations certified by a registered professional engineer.

The service provider is expected to provide

- Approved design drawings
- Structural certification
- Electrical layout plans
- Signage branding layouts

The design must prioritize safety, longevity, visual impact, and ease of maintenance.

### **C3.1.3 To Install Free-Standing Static and Digital Billboard**

The objective is to deliver fully functional billboard infrastructure that meets approved design specifications and quality standards. This includes:

- Site preparation and civil works.
- Construction of foundations and structural supports.
- Fabrication and erection of steel structures.
- Installation of static advertising panels.
- Installation and configuration of LED digital screens.
- Electrical connections, metering, and surge protection.
- Testing, commissioning, and certification prior to handover.
- Detailed Specification of the digital and static billboards

#### **A. Digital Billboard Components**

Outdoor LED display panels (high brightness, weatherproof IP65 minimum)  
Control systems and media players  
Remote content management system (CMS)  
Power distribution units  
Surge protection systems  
Cooling and ventilation systems  
Backup power (UPS or generator ready integration)

#### **B. Free-Standing & Static Billboards**

Steel structural frames (galvanised/anti-corrosion treated)  
Concrete foundations  
Printed billboard skins (UV resistant)  
Lighting fixtures (LED floodlights)

- All materials must be new, high-quality, and suitable for outdoor conditions.

Installation must comply with Occupational Health and Safety requirements and industry best practices.

### **4. To Operate and Maintain Installed Infrastructure for Optimal Performance**

The objective is to ensure continuous functionality, structural integrity, and operational efficiency of all billboards throughout the 36-month contract period. This includes:

- Scheduled preventative maintenance inspections.
- Cleaning and upkeep of structures and display surfaces.
- Routine structural integrity checks.
- Digital system monitoring and software updates.
- Rapid response to technical faults or damage.
- Replacement of defective components.
- Maintaining high digital screen uptime percentages.

The service provider must implement an asset management system and provide regular performance reports to NEDA.

## **5. To Ensure Full Compliance with Applicable Legislation and Municipal By-Laws**

The objective is to protect NEDA from regulatory, legal, financial, and safety risks. This includes compliance with:

- Municipal outdoor advertising by-laws.
- Building regulations and planning approvals.
- Occupational Health and Safety Act.
- Electrical installation regulations.
- Environmental legislation.
- Public Finance Management principles applicable to municipal entities.

The service provider must obtain all permits and maintain valid compliance certifications throughout the contract period.

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## **6. To Provide a Sustainable Maintenance and Revenue Model Over 36 Months**

The objective is to establish a financially viable and self-sustaining billboard infrastructure model. This includes:

- Developing a clear revenue generation strategy.
- Marketing advertising space effectively.
- Managing advertising bookings and scheduling.
- Implementing transparent revenue-sharing mechanisms (where applicable).
- Submitting monthly revenue and performance reports.
- Ensuring long-term asset sustainability through structured maintenance planning.

### **Maintenance & Support (36 Months)**

The Service Provider shall provide:

#### **Preventative Maintenance**

- Quarterly inspections.
- Cleaning of LED panels and structures.
- Software updates.
- Electrical inspection.

#### **Corrective Maintenance**

- Repair of defective LED modules.
- Replacement of faulty components.
- Structural repairs if required.
- Response time within 24–48 hours for major faults.

- **Emergency Support**

- 24/7 technical support hotline.
- Remote diagnostics.
- On-site intervention within agreed SLA timeframe
- **Warranty Requirements**

- Minimum 3-year warranty on LED panels.
- 5-year structural warranty.
- 12-month workmanship warranty.
- Replacement of defective parts at no cost during warranty period.

## **7. Compliance & Regulatory Requirements**

The Service Provider must:

- Be CIDB registered (appropriate grading).
- Be compliant with CSD and tax clearance.
- Have public liability insurance.
- Comply with:
  - Municipal Advertising By-laws
  - Environmental regulations
  - SANS electrical standards
  - OHS Act
- The model must balance infrastructure upkeep, operational costs, and revenue optimization to ensure long-term economic benefit for NEDA.

## **8. Reporting & Documentation**

- The Service Provider shall submit:
  - Monthly maintenance reports.
  - Incident reports.
  - Performance and uptime reports.
  - Annual system audit report.
  - Asset register of all installed equipment.

## **9. PERFORMANCE INDICATORS (KPIs)**

- 98% minimum system uptime.
- 24–48 hour fault response time.
- Compliance with maintenance schedule.
- Zero safety violations.

## **4. PROJECT DURATION**

- Installation Phase: As per approved implementation schedule.
- Maintenance Phase: 36 months from date of commissioning.

**END**