

SPECIFICATION: IKHALA TVET COLLEGE ROAD DIRECTIONAL SIGN BOARDS

1. Background and Purpose

Ikhala TVET College requires the design, manufacture, supply, delivery, and installation of thirty-one (31) Directional Road Sign Boards at key intersections and major routes within the Chris Hani and Joe Gqabi District Municipalities.

The purpose of these signs is to improve visibility, accessibility and wayfinding to Ikhala TVET College campuses, skills centres and Central Office for prospective students, stakeholders and the general public.

The appointed service provider will be responsible for ensuring full compliance with all relevant municipal, provincial and national road signage regulations.

2. Scope of Work

2.1 Quantity and Types of Directional Signs

The service provider is required to provide and install a total of thirty-one (31) directional road sign boards consisting of the following:

- Single Advance Local Direction Sign with street name – 5
- Single Advance Local Direction Sign – 3
- Fingerboard Local Direction Sign – 11
- Multi-stack (3) Advance Local Direction Sign – 5
- Multi-stack (2) Advance Local Direction Sign – 5
- Multi-stack (2) Advance Local Direction Sign with street name – 2

These signs must be installed at key intersections, major routes and strategic locations leading to the following destinations:

- Ikhala TVET Engineering Campus
- Ikhala TVET Business Campus
- Ikhala Skills Centres
- Ikhala TVET College Central Office

2.2 Scope Includes

The appointed service provider shall be responsible for:

- Site inspections and route assessments.
- Design and artwork preparation.

- Submission of designs for approval.
- Obtaining all statutory approvals and permits.
- Manufacture and supply of directional sign boards.
- Supply and installation of support structures and poles.
- Excavation and construction of foundations where required.
- Transportation and delivery to all identified sites.
- Installation and commissioning of all signage.
- Removal and lawful disposal of obsolete, damaged or unauthorized Ikhala directional signs.
- Provision of warranty and maintenance support.

3. Design and Compliance Requirements

3.1 Regulatory Compliance

The service provider must:

- Ensure that all directional signs comply with applicable municipal road signage regulations.
- Comply with the South African Road Traffic Signs Manual (SARTSM).
- Comply with the Department of Transport regulations and standards.
- Comply with SANRAL requirements where applicable.
- Obtain all necessary approvals and permits from:
 - Local Municipalities;
 - Provincial Department of Transport;
 - SANRAL where signage is located on or near national roads.
- Ensure that signage design, placement and installation comply with all road traffic and road safety standards.
- Remove any incorrect, outdated or unauthorized Ikhala directional boards currently in place.

3.2 CIDB Contractor Grading Requirement

Due to the civil engineering nature of the works associated with the installation of road directional signage, bidders must be registered with the Construction Industry Development Board (CIDB).

The minimum CIDB grading required for this project shall be:

CIDB Class of Works: CE – Civil Engineering Works

Minimum CIDB Grading: CE 2 or Higher

Bidders shall submit proof of valid CIDB registration with their bid submission.

Failure to provide valid proof of CIDB registration in the required class of works and grading may result in the bid being deemed non-responsive.

4. Sign Design and Visibility Specifications

4.1 Sign Design

The service provider shall be responsible for the design of all directional boards and shall ensure that:

- Signage is clear, professional and compliant with road signage standards.
- Text, symbols and arrows are clearly visible and legible from a minimum distance of 50 metres.
- Sign layouts are easily understood by motorists travelling at normal road speeds.
- Sign dimensions are appropriate for the intended road classification and speed environment.
- Designs are approved by the Ikhala TVET College Marketing and Communications Section prior to manufacture.

4.2 Materials

Frame Structure

- Frames shall be manufactured from galvanized steel or equivalent corrosion-resistant material.
- All welding and fabrication shall be of professional quality.
- Materials shall be suitable for outdoor use and long-term exposure to environmental conditions.

Sign Face Material

- Sign faces shall be manufactured from high-quality aluminium composite material (ACM).
- Materials shall be durable, weather resistant and suitable for long-term outdoor applications.

Reflective Sheeting

- All sign faces shall be fitted with retro-reflective sheeting.
- Reflective sheeting shall comply with applicable road signage standards.
- Reflective material shall provide clear night-time visibility and visibility during adverse weather conditions.

5. Durability and Weather Resistance

All signage shall be designed and manufactured to withstand:

- Direct sunlight and ultraviolet exposure.
- Heavy rainfall.

- Strong winds.
- Dust and environmental pollutants.
- Temperature fluctuations.

Materials used shall be:

- Fade resistant.
- Waterproof.
- Corrosion resistant.
- Suitable for long-term outdoor use.

Reflective elements shall maintain effectiveness throughout the warranty period.

6. Mounting and Installation Requirements

6.1 Poles and Mounting Structures

Directional signs shall be mounted on:

- Galvanized steel poles or approved equivalent.
- Secure support structures designed to withstand environmental loads.

Poles shall:

- Be structurally sound.
- Be resistant to corrosion.
- Be securely anchored in concrete foundations.
- Prevent leaning, bending or failure during normal service conditions.

6.2 Foundations

Where required, foundations shall:

- Be excavated and cast in accordance with engineering best practice.
- Be suitable for the size and weight of the signage.
- Provide adequate structural stability.

6.3 Installation Locations

Signs shall be installed:

- At major intersections and high-traffic routes.
- Prior to major turns and junctions to provide sufficient reaction time for motorists.
- In locations free from visual obstructions such as trees, buildings, utility poles, billboards or other structures.

The service provider shall conduct site assessments to determine optimal installation locations.

7. Location Considerations

The placement of signs shall be based on:

- Traffic volume.
- Visibility requirements.
- Proximity to campus access routes.
- Road safety considerations.
- Ease of navigation.

The service provider shall submit a proposed installation plan for approval prior to commencing installation.

8. Approvals and Stakeholder Engagement

The service provider shall:

- Submit all designs, dimensions and proposed installation locations to Ikhala TVET College Marketing and Communications Section for approval.
- Engage with relevant municipalities and transport authorities.
- Obtain all required permits and approvals.
- Ensure all installations are legally compliant before commencement of work.

9. Project Timeline

The total project duration, including:

- Site inspections;
- Design;
- Approval processes;
- Manufacturing;
- Delivery; and
- Installation,

shall not exceed two (3) months from the date of official appointment.

Installation shall be completed across all approved locations within:

- Chris Hani District Municipality; and
- Joe Gqabi District Municipality.

10. Maintenance and Warranty

The successful service provider shall provide a minimum warranty period of twelve (12) months covering:

- Material defects.
- Manufacturing defects.
- Installation defects.
- Poor workmanship.

Maintenance services during the warranty period shall include:

- Repair of damaged boards.
- Repair of damaged support structures.
- Replacement of defective components.
- Replacement of faded or damaged reflective surfaces where defects are attributable to workmanship or materials.

11. Costing and Budget Requirements

The bidder shall provide a detailed cost breakdown including:

- Design and consultation fees.
- Manufacturing costs for all sign boards.
- Reflective material costs.
- Pole and mounting structure costs.
- Foundation construction costs.
- Delivery and transportation costs.
- Installation costs.
- Approval and permit costs.
- Maintenance and warranty costs.
- Any additional customization costs.

All pricing shall be inclusive of labour, materials, transport, installation and associated costs.

12. Deliverables

The successful service provider shall provide the following:

- Final approved sign designs.

- Site assessment report.
- Installation plan and location schedule.
- Proof of approvals and permits.
- Manufactured and installed directional signs.
- Warranty documentation.
- Maintenance plan.
- Completion report with photographs of installed signage.

13. Mandatory Returnable Documents

Bidders must submit the following documents with their bid:

- Valid CIDB Registration Certificate reflecting a minimum grading of CE 2 or higher.
- CSD Registration Report.
- Valid Tax Compliance Status.
- Company Registration Documents.
- Municipal Account or Lease Agreement.
- Proof of Public Liability Insurance (where applicable).
- Any other documentation required by Ikhala TVET College's Supply Chain Management processes.

Failure to submit mandatory returnable documents may result in the bid being deemed non-responsive.