CORPORATE PROFILE & INFRASTRUCTURE SUPPLY SCHEDULE

ZINZI ECO SYSTEMS (PTY) LTD

Clean-Tech Agricultural, Solar PV & Water Infrastructure Supply

CSD Registered | SARS Tax Compliant | B-BBEE Compliant | Nationwide Supply & Delivery

1. COMPANY OVERVIEW

Zinzi Eco Systems (Pty) Ltd is a South African clean-technology hardware procurement and logistics partner specializing in solar photovoltaic (PV) energy systems, solar-powered borehole water infrastructure, and commercial greenhouse irrigation solutions. Based in Alberton, Gauteng, we bridge the gap between Tier-1 global equipment manufacturers and public-sector entities, corporate social investment (CSI) programmes, development finance initiatives, and commercial agricultural enterprises across South Africa.

Operating strictly as a non-installation hardware supply-and-delivery vendor, Zinzi Eco Systems eliminates middleman markups, contractor scope creep, and installation labor overhead. Every order is sourced through authorized Tier-1 South African distribution channels and delivered directly to project sites with full manufacturer warranties, SABS/IEC technical documentation, and audit-ready Bills of Quantities (BOQs).

> **Core Operational Mandate:** To empower municipalities, mining host-community programmes, agricultural cooperatives, and commercial EPC contractors with genuine, transparently priced, and audit-compliant clean energy and water infrastructure—delivered on time, every time.

2. VISION, MISSION & CORE VALUES

- **Vision:** To be South Africa's most trusted, governance-driven wholesale supply partner for resilient off-grid energy, rural water security, and sustainable agricultural infrastructure.
- **Mission:** To streamline public and private infrastructure procurement by delivering OEM-backed solar, pumping, and precision irrigation hardware with zero compliance friction and complete financial transparency.
- **Uncompromising Integrity:** Zero tolerance for irregular procurement practices, grey-market components, or inflated pricing. Every quotation is backed by verifiable OEM datasheets and transparent line-item costing.
- **Supply Chain Reliability:** Direct trade alignment with Tier-1 importers ensures consistent stock availability, genuine serial-number traceability, and local warranty enforcement.

3. CORE SUPPLY PILLARS

Unlike single-vertical solar retailers, Zinzi Eco Systems provides integrated hardware supply across three interdependent pillars essential for rural development, municipal service delivery, and commercial agri-processing:

3.1 Commercial & Off-Grid Solar PV Systems

We supply complete utility-grade and commercial solar generation and battery energy storage systems (BESS) engineered for agricultural packhouses, municipal clinics, schools, offices, and off-grid estates. Our supply catalogue encompasses Tier-1 monocrystalline solar modules (Jinko, LONGi, Canadian Solar), single- and three-phase hybrid inverters, high-voltage and rack-mounted LiFePO4 battery banks, ground- and roof-mounting structures, and pre-wired AC/DC protection switchgear.



Pillar 1 — Solar PV & Energy Storage: Ground-mounted Tier-1 solar arrays paired with containerized hybrid inverter and lithium battery cabinets for agricultural and institutional energy independence.

3.2 Solar Borehole & Rural Water Pumping Infrastructure

Reliable water access underpins both community resilience and agricultural productivity. Zinzi Eco Systems supplies turnkey solar borehole pumping packages designed to operate independently of the national grid. Each kit is matched to specific borehole depth, static water level, and daily yield requirements, combining high-efficiency DC/AC submersible pumps, MPPT solar pump controllers, dry-run and tank-level sensors, UV-resistant submersible cabling, and heavy-duty riser piping.



Pillar 2 — Solar Borehole Pumping: Complete off-grid borehole headworks, MPPT controller enclosures, solar panel arrays, and elevated bulk water storage tanks for rural communities and livestock operations.

3.3 Commercial Greenhouses & Precision Drip Irrigation

To support food security and high-yield crop production, we supply commercial-grade protected cultivation structures and precision micro-irrigation hardware. Our agricultural supply range includes hot-dip galvanized tunnel and multi-span greenhouse frames, UV-stabilized multi-layer greenhouse films, shade netting, pressure-compensated driplines, disc and screen filtration manifolds, fertigation dosing units, and HDPE mainline distribution piping.



Pillar 3 — Protected Agriculture & Drip Irrigation: Galvanized commercial tunnel structures outfitted with high-efficiency drip irrigation lines for community food-security projects and commercial growers.

4. STANDARDIZED TURNKEY HARDWARE KITS

To simplify budgeting and accelerate procurement approvals for municipal RFQs, corporate CSI managers, and NGOs, Zinzi Eco Systems offers four standardized, pre-costed hardware packages ready for immediate dispatch:

Package Name	Target Application	Core Hardware Included	Est. Supply (Excl. VAT)
Kit 1: Community Food-Security Tunnel Pack	CSI food gardens, school agri-projects, co-ops	10m × 30m galvanized tunnel structure, UV plastic, 5,000L tank, precision drip irrigation kit (300m²)	**R68,000 – R85,000**
Kit 2: Off-Grid Solar Borehole Water Kit	Rural boreholes, livestock watering, community clinics	1.5kW–2.2kW solar submersible pump, 4 × 550W Tier-1 panels, MPPT controller, mounting frame & cabling	**R38,000 – R52,000**
Kit 3: 10kVA Clinic / Office Backup Power Pack	Municipal offices, schools, agricultural packhouses	10kVA hybrid inverter, 10kWh LiFePO4 battery bank, 8 × 550W Tier-1 panels, DB protection & mounting	**R72,000 – R88,000**
Kit 4: 1-Hectare Commercial Drip Irrigation Pack	Emerging & commercial vegetable/crop farmers	Mainline HDPE piping, disc filtration, pressure-compensated driplines, valves & fittings	**R52,000 – R68,000**

Note: Indicative wholesale supply ranges only. Formal itemized quotes are locked for 14 days upon borehole depth/site confirmation and delivery coordinates.

5. QUALITY ASSURANCE, GOVERNANCE & PROCUREMENT ADVANTAGE

Public-sector supply chain managers, development finance institutions (DFIs), and corporate ESG teams face strict external audit scrutiny. Zinzi Eco Systems structures every transaction to pass Auditor-General (AGSA) and independent donor audits without exception:

- **100% Audit-Ready Compliance Pack:** Active Central Supplier Database (CSD) registration, valid SARS Tax Compliance PIN, CIPC company registration, verified B-BBEE certification, and formal bank confirmation letters maintained up to date for immediate vendor onboarding.
- **OEM-Backed Technical Submissions:** Every quote is accompanied by official manufacturer datasheets, SABS/IEC compliance certificates, and Tier-1 distributor warranty letters—eliminating the risk of substandard or grey-market equipment.

- **Zero Conflict of Interest with Installers:** Because we do not bid on installation labor or civil works, commercial solar EPCs, borehole drillers, and local community contractors partner with us confidently as their dedicated hardware procurement and logistics arm.
- **Preferential Procurement & ESD Alignment:** Partnering with Zinzi Eco Systems enables corporate buyers, mining houses, and Tier-1 EPCs to achieve B-BBEE preferential procurement and Enterprise & Supplier Development (ESD) objectives while securing competitive wholesale pricing.

6. TARGET SECTORS & CLIENT PARTNERSHIPS

Client Segment	How Zinzi Eco Systems Adds Value
Municipalities, SOEs & Research Councils	Compliant, fast-turnaround supply and delivery of standard solar, water pumping, and agricultural hardware for sub-threshold RFQs and formal tenders.
Corporate CSI & Mining SLP Programmes	Turnkey food-security greenhouse kits and rural borehole hardware packages delivered directly to host communities with transparent ESG audit trails.
Commercial Solar EPCs & Agri-Contractors	Reliable B2B wholesale sub-supply and site logistics that strengthen B-BBEE procurement scorecards without competing for installation contracts.
Commercial Farms & Agro-Co-ops	Direct wholesale hardware quotes for solar borehole conversions, packhouse solar backup, and drip irrigation expansions (including Agro-Energy Fund applications).

7. PROCUREMENT & DELIVERY WORKFLOW

1. **Specification & Site Data Review:** We review your RFQ Bill of Quantities, borehole yield/depth test results, or greenhouse dimensions to verify exact technical compatibility.
2. **Itemized OEM-Backed Quotation:** Within 24–48 hours, we issue a transparent line-item quote supported by manufacturer spec sheets and warranty documentation.
3. **Order Confirmation & Quality Verification:** Upon Purchase Order (PO) issuance, equipment is allocated through our Tier-1 wholesale network and inspected for serial-number accuracy prior to dispatch.
4. **Scheduled Nationwide Site Delivery:** Insured freight delivery directly to your municipal depot, farm gate, or project site anywhere in South Africa, accompanied by signed delivery notes and tax invoicing.

8. CORPORATE & VENDOR ONBOARDING DETAILS

Registered Entity	Zinzi Eco Systems (Pty) Ltd	**CIPC Reg. Number**	2026/757844/07
CSD Supplier Number	MAAA1786294	**SARS Tax PIN**	BC673B62D7
B-BBEE Status	Level 1	**Headquarters**	Alberton, Gauteng, South Africa