

Compulsory requirements

- CIDB Grade: a Minimum of 1GB or Higher
- Gant chart project plan should be submitted without fail
- Any default against the project plan will attract R500.00 per day.
- Minimum of 12 months warranty on equipment's or as per OEM warranty, letter should be provided
- Minimum of 12 months on workmanship, letter should be provided

Specifications: Two tunnel refurbishments

- 2 x Tunnel structures
- Dimensions for each tunnel:
 - Tunnel surface area = 15m x 46m
 - Height from the ground to the arch = 26m
 - Height = 10m
- The structures should be corrected/fixed first for any deformations, followed by painting with metallic non-corrosive paint (at least two cotes)
- Supply and installation of 200-micron multi solar plastic (white)
- Supply and installation of 30% shade/hail net (white)
- Installation of two ventilation windows per tunnel (covered with 200-micron multi-solar plastic)
- Properly finished 30cm deep concrete floor, and 1.5m around the tunnels. 30cm deep drainage furrows around the structure with a steel mesh covering the furrows.
 - Concrete slab should be 30cm below ground level and 10cm above ground
 - Proper steel reinforcement should be included
 - After pouring, compacting, finishing and curing of concrete floor slab should be done adequately
- Two 15m sliding gate (covered with 200-micron multi-solar plastic) on each of the 15m side of each tunnel
- Four angle bars (30m each) to serve as rail for sliding gates with a concrete foundation under the gate rails.
- Installation of 6 exterior LED Solar Powered Flood Light 200W (with day-night switch)-**each light with an inbuilt solar panel**
- Installation of 8 interior LED Solar Powered Lights 200W (with day-night switch)-**all connected to 1 backup solar panel mounted on 36m steel pole.**
- Installation of an underground electricity supply cable (350m in length) to power the water pumps and irrigations controller system.
- Installation of 4 wall sockets (plugs) per tunnels (2 at the corner and 2 at the centre of each tunnel)
- Supply and installation of 2 x 1.1kW single phase water pumps with stop/start switch
- 2 x 5000L water tanks (on concrete slab)
- Automated greenhouse watering system (per tunnel)
 - One Rainbird or Hunter 4 station irrigation controller for both tunnels
 - Waterproof cabinet for irrigation controller o Sprinkler irrigation system
 - Drip irrigation system

- 1 x water tap per tunnel — connect taps to the nearest water tanks

Specifications for the greenhouse watering system:

- Simple to Program
- Quickly program a schedule in just 3 steps
- 3 available programs (A, B, C) with up to 4 start times for each program
- Simple one-touch manual watering
- Large back-lit LCD display for improved visibility in low-light and direct sunlight conditions
- Plastic wall-mount cabinet with door
- WiFi Connectivity
- Must include LNK WiFi Module to allow users can access, operate and monitor their irrigation system from anywhere.
- Familiar, easy to navigate user interface Rain sensor input with bypass capability
- Master valve/pump start circuit Nonvolatile (100 year) storage memory
- Electronic diagnostic circuit breaker
- Remote accessory port for approved accessory devices
- Program based scheduling with 3 individual programs and 4 independent start times per program for 12 total start times
- Compatible with LNK WiFi Module (sold separately) to enable remote programming, operation and alerts from the Rain Bird mobile app.
- Manual Watering option for all stations, a single station or an individual program Seasonal