

SCOPE OF WORKS

Street Lighting Civil Works – XYZ Highway Project

1. DEFINITIONS

The following definitions and naming conventions will be used throughout the document:

- a) “the project” is defined as XYZ Highway Project
- b) “the contractor” is defined by ABC Contracting
- c) “the sub-contractor” is defined as the tendered

2. PROJECT SCOPE

The project scope includes a 10km highway connecting two major highways. The motorway will include numerous interchanges as well as upgrades to existing arterial roads. The XYZ Highway Project is being undertaken by ABC Contracting on behalf of the government.

3. SCOPE OF WORKS

The scope of works for this tender package is to complete all the civil works for the electrical and street lighting on the project. This includes the supply and installation of all pits, conduits, and foundations. Except where specifically excluded, the Subcontractor’s scope is to supply all the materials, plant, labour, equipment, and supervision to complete the works.

3.1 GENERAL

The following general requirements apply to the works undertaken by the subcontractor:

- All materials supplied and works performed shall comply with the contract specifications, relevant Australian and International standards, and design documentation
- All works undertaken shall comply with all applicable Occupational Health and Safety, Environmental Protection and related Legislation, and Standards
- The subcontractor shall use a quality management system in accordance with all quality standards
- The subcontractor shall always maintain the work site in a clean & safe manner, & to remove all rubbish/spoil from the site
- The subcontractor is to provide all labour, supervision, plant, and other materials necessary to complete the works (unless specifically referenced as an item to be supplied by the contractor)

3.2 SITE ESTABLISHMENT AND MOBILISATION

The subcontractor shall allow for the following in their quote:

- Development and co-ordination of a construction program for their works to be approved by the contractor
- Providing all permits and procedures required
- Supply of work method statements for all activities
- Induction of all plant and equipment in line with the project requirements
- All additional miscellaneous items

3.3 INCLUSIONS

The scope of works is to complete the civil construction of the new street lighting system for the entire project. This includes the installation of underground cable routes and equipment footings and foundations. Specifically, this includes the following:

- Supply of all conduits, pits, spigots, bends, draw rope and other miscellaneous items not specifically listed as being supplied the contractor in section 3.4
- Supply of any materials required for temporary works such as formwork
- Co-ordination with the contractor to identify and prove all in-ground services prior to excavation
- Formwork for concrete pours

SCOPE OF WORKS DOCUMENT EXAMPLE

- Management and supervision of all concrete pours
- Trenching and excavation of underground cable route and equipment foundations
- Trenching and excavation around any in-ground services complying with the respective utilities' guidelines
- Removal of all spoil to a central location nominated by the contractor
- Installation of all conduits and pits including back-fill and compaction
- Roping of all conduits
- Construction of all distribution board foundations
- Construction of all streetlight pole foundations using contractor provided rag bolt assembly

3.4 ITEMS SUPPLIED BY THE CONTRACTOR

The contractor shall provide the following items:

- All backfill material including dust and crushed rock – to be picked up from a central compound and transported to the worksite by the subcontractor
- Concrete
- Rag bolt assemblies for streetlight footings
- Geotechnical testing
- Traffic management
- Worksite crib facilities including lunchroom and toilets

The Supply of all the above items need to be co-ordinated with the sub-contractor's construction program. The subcontractor shall be responsible for providing a minimum of five business days notice as to their requirements of any of these materials.

4. SAFETY AND GENERAL REQUIREMENTS

The subcontractor will be responsible for the following if their tender is successful:

- Maintaining safe work conditions
- Co-ordination of works on-site with other trades and disciplines
- Compliance with the contractor's safety, quality, and environmental plans
- Compliance with all laws, Australian standards, and project requirements
- Compliance with all environmental requirements including the avoidance of any disturbances to native plants or vegetation
- Develop and submit a detailed construction program. The subcontractor will be required to report against this program each week.

5. INFORMATION TO BE SUBMITTED WITH QUOTATION

In addition to the completion of the pricing schedule, the subcontractor must submit the following information with the tender:

- Work methods statement and proposal for delivering the works
- An organisation chart showing key personnel including position and experience who will be allocated to the project
- A program detailing the duration of the works
- A list of proposed sources for materials for use on the project
- Details of previous projects performed similar to the works on this project

6. DESCRIPTION OF ITEMS IN THE PRICING SCHEDULE

The below table provides a functional description of the items in the pricing schedule the sub-contractor is required to quote against.

Pricing Schedule Item	Quantity	Functional Description
Contract Works Items		
Street Lighting Civil Works – Zone 1		
Install conduits and pits section 1A	60m	Installation of all pits and conduits in section 1A

SCOPE OF WORKS DOCUMENT EXAMPLE

Install Street Lighting footings section 1A	14ea	Installation of street lighting footings section 1A
Install conduits and pits section 1B	40m	Installation of all pits and conduits in section 1B
Install Street Lighting footings section 1B	11ea	Installation of street lighting footings section 1B All formwork and supervision of concrete pour Installation of free-issue rag bolt
Install Distribution Board Foundation 1A	1ea	Installation of DB board foundation including all formwork and supervision of concrete pour
Street Lighting Civil Works – Zone 2		
Install conduits and pits section 2A	120m	Installation of all pits and conduits in section 2A
Install Street Lighting footings section 2A	23ea	Installation of street lighting footings section 2A
Install conduits and pits section 2B	95m	Installation of all pits and conduits in section 2B
Install Street Lighting footings section 2B	13ea	Installation of street lighting footings section 2B All formwork and supervision of concrete pour Installation of free-issue rag bolt
Install Distribution Board Foundation 2A	1ea	Installation of DB board foundation including all formwork and supervision of concrete pour
Install Distribution Board Foundation 2B	1ea	Installation of DB board foundation including all formwork and supervision of concrete pour
Street Lighting Civil Works – Zone 3		
Install conduits and pits section 3A	150m	Installation of all pits and conduits in section 3A
Install Street Lighting footings section 3A	26ea	Installation of street lighting footings section 3A
Install Distribution Board Foundation 3A	1ea	Installation of DB board foundation including all formwork and supervision of concrete pour
Install Distribution Board Foundation 3B	1ea	Installation of DB board foundation including all formwork and supervision of concrete pour
Street Lighting Civil Works – Zone 4		
Install conduits and pits section 4A	65m	Installation of all pits and conduits in section 4A
Install Street Lighting footings section 4A	8ea	Installation of street lighting footings section 4A
Install conduits and pits section 4B	80m	Installation of all pits and conduits in section 4B
Install Street Lighting footings section 4B	13ea	Installation of street lighting footings section 4B All formwork and supervision of concrete pour Installation of free-issue rag bolt
Install conduits and pits section 4C	200m	Installation of all pits and conduits in section 4C
Install Street Lighting footings section 4C	46ea	Installation of street lighting footings section 4C All formwork and supervision of concrete pour Installation of free-issue rag bolt
Install Distribution Board Foundation 4A	1ea	Installation of DB board foundation including all formwork and supervision of concrete pour
Day Rates		
Electrical Conduit	20m	Supply only of electrical conduit in 20m sections
Electrical Pit	1ea	Supply only of an electrical pit
Supervisor	1 day	Day rate for work group supervisor
Leading Hand	1 day	Day rate for leading hand
Labourer	1 day	Day rate for skilled labourer
8t Excavator	1 day	Day rate for 8t excavator inclusive of all fuel, servicing, etc.
Ute	1 day	Day rate for ute inclusive of all tools etc.
3t Tipper	1 day	Day rate for 3t tipper inclusive of all fuel, servicing, etc.

7. REFERENCE DOCUMENTS

The subcontractor shall carry out and complete the scope of work in accordance with the following drawings, specifications, and documents.

7.1 Drawings

Document No.	Revision	Title
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SCOPE OF WORKS DOCUMENT EXAMPLE

XYZ-PRJ-010	C	Street Lighting Civil Design – Zone 1
XYZ-PRJ-011	C	Street Lighting Civil Design – Zone 2
XYZ-PRJ-012	C	Street Lighting Civil Design – Zone 3
XYZ-PRJ-013	C	Street Lighting Civil Design – Zone 4
XYZ-PRJ-017	B	Street Lighting Civil Design – Typical Details Project Wide

7.2 Specifications

Document No.	Revision	Title
XYZ-SPC-034	E	XYZ Project Technical Specification
GOV-TSC-1145	B	Government Street Lighting Specification
ABC-DOC-010	C	Contractor ABC Safety Management Plan
ABC-DOC-012	C	Contractor ABC Quality Management Plan
ABC-DOC-013	C	Contractor ABC Environmental Management Plan
ABC-DOC-017	C	Contractor ABC Construction Management Plan