

## MATERIAL SPECIFICATION

VOCAB NUMBER	ITEM DESCRIPTION
161008	PHOTO ELECTRIC CELL, STREET LIGHT

### SPECIFICATION DETAILS

1. Refer Appendix A – “Specification for Photo Electric Cell”
2. This item shall comply with the relevant requirement of:
  - a) Nema Standard SH16 (as amended)
  - b) AS1931, Part 1 – 1996 (as amended)

“General Definitions, Test Requirements, Test Procedures and Measuring Devices”.

- **Unit of Measure:** Each
- **Rejection:** PNG Power Ltd reserves all rights to reject whole or part of the order not complying with this specification and is not liable for any cost or loss with the return of rejects to the Supplier. Facilitation of Invoice Credit must commence between the supplier and PNG Power Ltd through the process of PNG Power Ltd Discrepancy Report provisions

**Drawing References:**

**Manufacturer's Product Code**

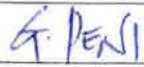
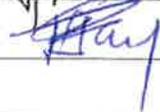
### STANDARDS COMMITTEE APPROVAL

Approval by Alex Oa  
Chairman

Signature: 

Date: 19.5.2015

### DATA REVIEW ENDORSEMENT

NAME	TITLE	SIGNATURE	DATE
G. Peni	Team Leader Standards & Materials		18/5/15
	/		9/4/19

**MATERIAL SPECIFICATION FOR PHOTO ELECTRIC CELL – CS110, Vocab 161008****1. GENERAL REQUIREMENT:**

The construction of the photo electric cell shall be mechanically and electronically sound and shall be inter-changeable, three poles locking type.

**2. PHOTO ELECTRIC CELL:**

The electric components of the photo electric cell shall comprise a cadmium photo-conductive cell, a magnetic relay and a lightning arrestor. They shall be mounted on an injection moulded acrylic base and shall be enclosed by a cover of translucent opal acrylic.

The underside of the base shall be fitted with a rubber gasket and three projecting contact blades which shall fit into corresponding contact slots in the top of the mounting socket.

The contact blades shall be designed to lock in place when the photo electric cell is plugged in and turned in a clock-wise direction.

The photo electric cell shall have a perforated metal shield located in front of the light sensitive cell to enable the increase and decrease of the cell sensitivity by lowering the shield.

All metallic components of the PHOTO ELECTRIC CELL shall be corrosion resistant.