



Republika ng Pilipinas

Kagawaran ng Edukasyon

Tanggapan ng Pangalawang Kalihim

OUA MEMO 13-0719-0258
MEMORANDUM
22 July 2019

RELEASED
JUL 30 2019
DEPED-CAR

For: **Regional Directors
Schools Division Superintendents
Public Elementary and Secondary School Heads
EFD Regional and Division Engineers
School Property Custodians
All Others Concerned**

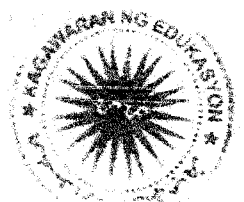
Subject: **USE OF RESETTABLE CIRCUIT BREAKERS IN THE
DESIGN OF ELECTRICAL SYSTEMS OF FACILITIES**

To protect schools from destructive fires due to faulty wirings, the Office of the Undersecretary for Administration (OUA) is enjoining all concerned on the **Use of Resettable Protective Circuit Breakers** in all facilities and is issuing the following guidelines:

1. Each Classroom (7M x 9M Area) requires one (1) set, of whose rating is based on the standard classroom electrical load.
2. Each Classroom Building requires one (1) set, whose rating is based on the anticipated load of the building, and compliant with the requirements of the Philippine Electrical Code (PEC).
3. Each School Facility requires one (1) set, located after the main energy meter, and at the utilization voltage's main entry to the facility, of which rating is based on the total electrical load of the facility compliant with the requirements of the PEC.
4. Night Lighting and School Auxiliary Load Circuit composed of perimeter and/or street lighting, fence lighting, supply to security gates, and power supply to all other electrical loads outside the buildings not directly related to holding of classes and office operations must be electrically segregated from the rest of the load and must be provided with at least one (1) set resettable circuit breaker, compliant with the requirements of the PEC.

Office of the Undersecretary for Administration

(Administrative Services, Information and Communications Technology, Disaster Risk Reduction and Management, Youth Formation, Baguio Teachers' Camp, Education Facilities/School Buildings)
Department of Education, Central Office, Meralco Avenue, Pasig City
Room 519, Mabini Building; Mobile: +639260320762; Landline: +6326337203, +6326376207
Email: usec.admin@deped.gov.ph; Facebook/Twitter @depeditayo



The protective circuit breakers shall be electrically-coordinated with each other to make the system selective so that any electrical fault at any circuit segment can be automatically discriminated and only the faulted circuit is isolated. The circuit fault is then cleared and the circuit breaker is reset.




Necessary design calculation and protection coordination documents duly signed and sealed by Professional Electrical Engineer (P.E.E.) are required to be provided and attached to support papers as pre-requisite in requesting budget allocations for the project.


To prepare for the full implementation of Republic Act 11285 (Energy Efficiency and Conservation Act), electrical installations of existing school buildings and other facilities nationwide, upon effectivity of this Memorandum Circular, must also be modified and upgraded to comply with the guidelines as stated above.

This requirement shall apply to all new construction, repair and reconstruction, and electrification projects of the DepEd and other education partners and stakeholders having projects in DepEd schools.

For guidelines and strict compliance.


ALAIN DEL B. PASCUA
Undersecretary

	Republic of the Philippines DEPARTMENT OF EDUCATION CORDILLERA ADMINISTRATIVE REGION Wangal, La Trinidad, Benguet	
		July 29, 2019
To :	Schools Division Superintendent All Division	
For information and appropriate action.		
		 MAY B. ECLAR, Ph.D., GESO V Regional Director
<small>ESSDABGM</small>		


DUMMIGAN013-0719-0238

2

