

# Annex “B-1”

Republic of the Philippines  
Center for Health Development No. 02

## REGION 2 TRAUMA AND MEDICAL CENTER Bayombong, Nueva Vizcaya

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### TERM OF REFERENCE FOR THE POWER HOUSE:

1. The power house which houses the Generator Set, Circuit Breakers, Automatic Transfer switches and Transformers Including the Fire Sprinkler pumps should be renovated. Where the Generator set, circuit breakers, Automatic transfer switches, water pump controller and Transformers should be transferred to the left side of the existing power house.
2. The supply of materials and labour for the additional secondary power cables including compression connectors, rubber tapes and conduits for the transfer of Generator Set, Circuit Breakers, Automatic Transfer Switches, water pump controller and the transformers should be provided by the contractor.
3. The transfer of the Generator Set, circuit breakers, automatic transfer switches, water pump controller and transformers should not interrupt the supply of electricity and water supply of the OPD and Training Buildings. The contractor should provide a back-up source of electricity and water source if necessary.
4. Overhead primary lines and poles should be removed and replaced with underground primary cables, specially designed that it would not cause harm to persons and property.
5. The size of the underground cables will be designed such that it could supply the electricity demand of the OPD Building, Training Building and the proposed Medical Building.
6. The existing Instrument transformers (potential and current transformers) and kilowatt-hour meter should be transferred to the Pole near the Perimeter Fence. Additional Cross arms and accessories should be provided. The Instrument transformers should be replaced if the total existing load plus the total load of the proposed medical building would exceed its maximum capacity.
7. The contractor should provide standard termination from overhead ACSR to underground XLPE cables, from the load side of the fuse cut-out to the primary side of the transformers.
8. The contractor should provide separate fuse cut-outs for the OPD Building Transformers, Training Building Transformers and the proposed Medical Building.
9. The contractor should provide Synchronizing module of the Generator Set of the proposed medical building and the existing Generator Set.