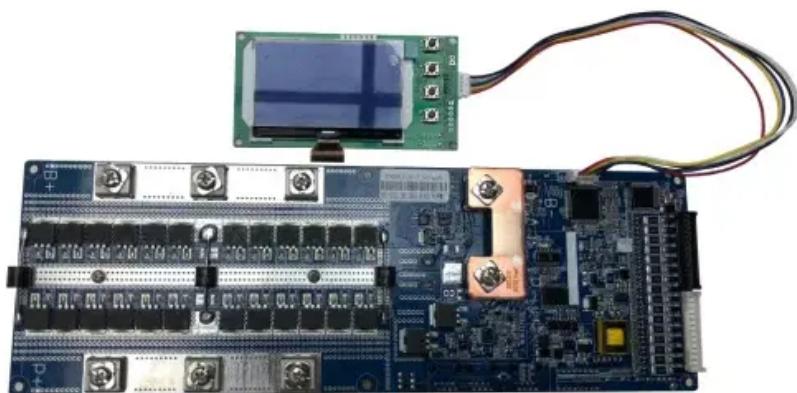


NKOSITHANDILEB SOLAR

Construction of Thimphu Power Base Station



Overview

How many 66/33/11kv substations are there in Thimphu dzongkhag?

Thimphu Dzongkhag. There are four 66/33/11kV substations in various locations that act as secondary sources to nine 33/11kV substations. To assess the capacity of the substations, peak power consumed has been compiled based on the historical data. The details on the installed Table 3. and Changzamtok (DPH).

What is Thimphu mini hydro (TMH)?

360 kW Thimphu Mini Hydro (TMH) power plant. Subsequently, a 1.25 MW hydropower plant at Gideon spun in 1975. These plants were crucial in facilitating Bhutan's modern development during that period. However, Thimphu was growing at a phenomenal rate and power source hydropower plant became accessible in 1987. Thimphu now has access to 64 MW Basochu.

What is the power demand in Thimphu?

exhibits the growth potential and power demand of the various localities in Thimphu. estimated within the next 10 years. The area-wise power planning as per the projected load is as to grow over (to) 9.83 MW and 2.09 MW respectively. Currently, the power requirement to those areas is catered via (from) 2x5 MVA, 33/11 kV substation at Babesa.

Should ESD Thimphu up-grade/install additional transformer based on the load?

ESD Thimphu is, therefore, recommended to accordingly up-grade/install additional transformer based on the actual loading. However, construction of to the future power demands. demands of Taba and Dechencholing area. to the power demands of Hejo/Samtenling/Pamtsho/Jungzhina/Langjophakha/Zilukha areas. future power demands. Debsi area.

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THIMPHU DZONGKHAG Distribution and Customer Services Department Distribution Services Bhutan Power Corporation Limited

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