

PART II PILOT PLANT

CHAPTER 1

OUTLINE

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The locations for pilot plant test have been decided under mutual agreement with Mongolian government. The pilot plants were installed in three Sum centers, Tariat Sum of Arkhangai Aimag, Bayan-Undur Sum of Dundgovi Aimag and Adaatsag Sum of Dundgovi Aimag. The generated electricity from pilot plants is being supplied to hospitals in three Sums and a school dormitory in Bayan-Undur Sum. The installation work was completed at the end of June 1999, and data has been collected from pilot plants since then. Figure II.1-1 shows the composition of pilot plant. Table II.1-1 shows the schedule of installation work and situation under construction of the pilot plants which were shown in Photo II.1-1 – II.1-9.

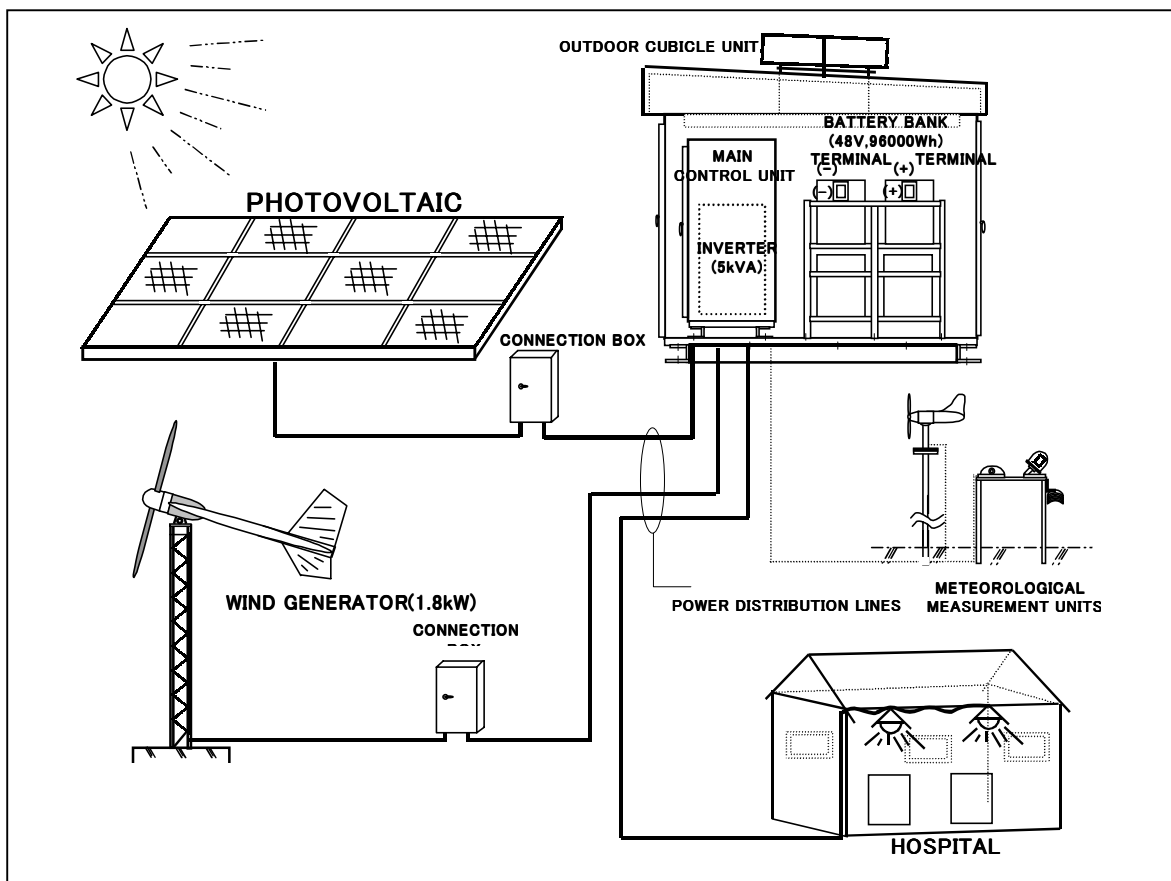


Figure II.1-1 Composition of the pilot plant



(a)



(b)

Photo II.1-1 Marking, Excavation, Reinforcement and Preparation for Concrete



Photo II.1-2 Concrete Works



(a)



(b)

Photo II.1-3 Assembling Cubical Unit



(a)



(b)

Photo II.1-4 Underground Cable and Leveling



(a)



(b)

Photo II.1-5 Assembly and Installation of PV Modules



(a)



(b)

Photo II.1-6 Assembly of Wind Turbine Tower



(a)



(b)

Photo II.1-7 Assembly of Wind Turbine



Photo II.1-8 Completing the Assembly of Wind Turbine and PV Array



(a)



(b)

Photo II.1-9 Ceremony in Tariat (1999.6.30)