

<Attachment>

Outline of Power Grid Stabilization Project to Expand the Use of Renewable Energies in Mongolia

1. Project Period

June 1, 2022~May 2025 (tentative)

2. Client:

Japan International Cooperation Agency (JICA)

3. Project Overview

Augment the technical prowess of the following “primary counterparts” pertaining to power grid planning/operation, power grid smartification, and renewable energy power grid connection, etc., in order to help Mongolia to expand the use of renewables, and promote power grid stabilization and carbon neutrality in Mongolia.

<Primary counterparts>

National Dispatching Center (NDC)

National Power Transmission Grid State Owned Stock Company (NPTG)

Ulaanbaatar Electricity Distribution Network Joint Stock Company (UBEDN)

4. Project members and responsibilities:

TEPSCO: Project management; grid operation rule improvement; assistance with supply/demand adjustment and grid planning ability improvement; assistance with connecting renewables

TEPCO HD: Assistance with improving grid operation ability

TEPCO PG: Assistance with improving the ability to conduct power transmission and transformation diagnostics and set relays; assistance with improving the ability to use smart technologies

5. Expected project achievements:

Achievement 1: Improve the ability to understand grid events that occur as the use of renewables is expanded

Achievement 2: Improve power grid operating rules and the ability to adjust supply and demand in order to further develop power grids and properly manage the expanded use of renewables

Achievement 3: Improve the ability to suitably plan power grids over the mid/long-

term in anticipation of the expanded use of renewables

Achievement 4: Improve the ability to appropriately set relays in conjunction with the augmentation of power transmission/transformation facilities

Achievement 5: Improve the ability to run power transmission/transformation facility diagnostics, and appropriately engage in preventative maintenance

Achievement 6: Standardize procedures in relation to applications for connecting renewables to distribution grids

Achievement 7: Improve the ability to plan to introduce smart technologies in order to smoothly connect renewables to power distribution facilities

6. Additional information:

Location of Mongolia



Group photograph after kick-off meeting with Mongolia's Ministry of Energy and Mongolian power companies

