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**Specifications for operation management of photovoltaic
project**

光伏产业项目运营管理规范

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Foreword

This guidance technical document was drafted in accordance with the rules given in GB/T 1.1-2009. Please note that some of the contents of this document may involve patents. The issuing organization of this document is not responsible for identifying these patents. This guidance technical document was proposed and managed by the China National Institute of Standardization. This guiding technical document drafting unit. China Electric Power Research Institute Co., Ltd., Suzhou Tenghui Photovoltaic Technology Co., Ltd., China Standard Institute of Standardization. The main drafters of this guiding technical document. Guo Jisheng, Sheng Wanxing, Wang Jinli, Liu Bolin, An Xin, Wang Li, Hou Yiming, Sun Zhaoyang, Cheng Yue.

Photovoltaic poverty alleviation is the first effective poverty alleviation model for precision poverty alleviation and precision poverty alleviation in China. It is listed as one of the top ten projects for precision poverty alleviation by the state. It is being promoted to the poor areas of the country. In poverty-stricken areas with good lighting resources, it is suitable for photovoltaic poverty alleviation according to local conditions. The poverty alleviation and precision poverty alleviation strategy is in line with the national clean low-carbon energy development strategy; it is conducive to expanding the photovoltaic power generation market and helping to promote poverty. The trapped population stabilized and increased their income. In order to accelerate the promotion of photovoltaic poverty alleviation projects and ensure the poverty alleviation effect of photovoltaic poverty alleviation projects, the National Energy Administration and the State Council Poverty Alleviation Office issued the national energy Fa Xinneng [2017] No. 39, "Notice of the State Council's State Council's Office of Poverty Alleviation on the Relevant Matters Concerning the Preparation of the "13th Five-Year Plan" Photovoltaic Poverty Alleviation Plan, The output of the village-level photovoltaic poverty alleviation power station is based on the county's average unit of

5kW~7kW, and the single village size generally does not exceed 300kW. The nearby access grid and grid consumption conditions can be relaxed to 500kW), and a large number of PV poverty alleviation policies have been issued in various provinces, cities and counties across the country. In order to guide the local government to effectively implement the village-level photovoltaic poverty alleviation power station project, combined with the precision poverty alleviation photovoltaic farm in Lingbi County, Suzhou City, Anhui Province The implementation of this project is based on the practice of the project. This guidance technical document can be used as reference for the operation and management of the photovoltaic industry poverty alleviation project. Photovoltaic industry project operation management specification

1 Scope

This guiding technical document gives the project conditions, the division of responsibilities, the project organization and operation, the analysis of the expected results of the project, and the project evaluation and management for photovoltaic industry projects, and provides a typical case of targeted poverty alleviation through the photovoltaic industry (see Annex A). This guiding technical document applies to the operation management of photovoltaic industry projects.

This guidance technical document gives the project conditions, division of responsibilities, project organization and operation, and expected results of the PV industry project. The content of analysis, project evaluation and management provides a typical case of accurate poverty alleviation in the photovoltaic industry (see Appendix A). This guidance document is applicable to the operation and management of PV industry projects.

2.1 Natural conditions

2.1.1 Reasonable site selection based on light resources, land nature, network conditions, geographical environment, geological conditions and construction mode.

2.1.2 Priority is given to barren hills, barren beaches, barren slopes, etc., and agriculture, forestry, animal husbandry, and fishery resources can be used without changing the nature of the land. Combined with the construction mode of composite photovoltaic power plants.

2.1.3 The site should be oriented towards the south or close to the south, avoiding the obstruction of the PV modules by the surrounding obstacles.

2.2 Facility equipment conditions

2.2.1 The construction site of the photovoltaic power station shall have the traffic conditions for the construction of the site and the operation and maintenance after commissioning.

2.2.2 Grid access conditions are available near PV power plants.

2.3 Personnel conditions

2.3.1 Helping objects can participate in the daily operation and maintenance of the power station, component cleaning, power plant weeding, etc.

2.3.2 Helping objects should be interested and motivated in the maintenance work of the power station, willing to engage in related work, can actively learn and accept the necessary special Industry knowledge and technical guidance training.

2.4 Other conditions The following conditions will be more conducive to the implementation of the precision poverty alleviation project in the photovoltaic industry.

---Industrial development areas (poor villages) are in Class I or Class II solar resource areas;

---In the industrial development area, organically combine various high-efficiency agriculture and photovoltaic poverty alleviation power stations to reduce the land use area of photovoltaic poverty alleviation power stations. Increase the land stacking income;

---Innovate in the industrial development area "smart photovoltaic technology agriculture" a new generation of agricultural light complementary technology, in "do not change the nature of the land, not Promote the comprehensive utilization of agricultural land and improve the modernization of agriculture under the conditions of changing the soil structure and not changing the basic farming methods of the land. The social and integrated effects of environmental protection and green environmental protection.

3 division of responsibilities

3.1 Main government work content

3.1.1 Organizational leadership Establish a county (district) photovoltaic poverty alleviation work leading group to strengthen leadership and coordinate the implementation and promotion of photovoltaic poverty alleviation projects.