**Appendix 3**

**Commercialization and Promotion Form for the Technological Achievements in Global Low-carbon Innovation**

(The information on each technological achievement shall be concise, and be filled in the table below.)

| **S/N** | **Technology Name** | **Technology Provider** | **Scope of Application** | **Brief Description of the Technology** | **Demonstration Application** | **Energy Conservation and GHG Reduction Effects** |
| --- | --- | --- | --- | --- | --- | --- |
| Completion instructions | The name shall underline the technical properties and words like “research” and “R&D” shall be avoided. | Full name of the unit with IPR or engineering design and construction capability; two or more unit shall be separated by commas. | Industry and technical application constraints. (within 50 words) | Focus on the technology mechanism, the technical properties and critical equipment enabling GHG reduction, etc. The text shall be concise. (within 200 words) | Name and scale of 1-4 demonstration projects. (within 60 words) | The amount of energy saved and GHG emissions reduced per unit product, and the amount of energy saved and emissions reduced compared with that of traditional technologies or that before the technology is adopted. The data shall be accurate. (within 150 words) |
| Example | XX Technology | XX (company name), XX (university name) | The cement industry. Applicable to the construction of new production lines for pre-decomposition kilns or the technological transformation of the decomposition furnace system. | The technology raises the temperature of the materials put into the rotary kiln, which leads to dramatic time reduction in or elimination of the low-efficiency heat transfer process of the remnants in the rotary kiln, breaks the heat bottleneck in cement sintering, and enables the fast sintering and efficient cooling of clinker particles. Meanwhile, anti-crust materials are adopted, and the aspect ratio, rotation speed, inclination, etc. of the rotary kiln are modified to reduce the heat consumption of the sintering process and the power consumption of the grinding process. | 2# kiln of China United Cement Lunan, a new dry process cement production line with a capacity of 2500 tons/day. | Sintering of each ton of clinker consumes X kg of energy, enjoying a 10% to 20% increase in capacity, a 5% to 10% decrease in heat consumption, and a CO2 emission reduction of more than 15 kg, compared with the existing new dry process of cement production. |