Pilot PPP for Low Carbon Schools and Kindergartens

Expected project CAPEX: 1’167’000 €

Mandating Authority: Ulaanbaatar Development Corporation JSC

Summary
The project renovations will ensure that project schools and kindergartens will achieve 50% energy efficiency and a comfortable internal temperature. By reducing energy needs, the project will reduce the cost of providing education and the environmental impact of heating schools and kindergartens. The pilot will commence with an initial pilot phase for 2 schools and 3 kindergartens in low income areas of UB. The project will help the 4100 students and 250 teachers. These facilities are either connected to central heating or operate a stand-alone boiler.

Social and environmental impact
Tbd

Main stakeholders
The main stakeholders are: (i) the UB City Education Department; the implementing agency owns many of the schools and kindergartens in UB; (ii) UB Development Corporation, which is supporting project development; (iii) the Ministry of Education, Culture, and Science (MECS), which operates the project schools and kindergartens; (iv) the project schools and kindergartens, led by their directors; (v) students and their parents, (vi) the privately operated or state-run heating supply company; and (vii) private suppliers of energy efficiency measures (e.g., construction companies).

Location and population
Ulaanbaatar, Mongolia.
1.345 million inh.
### STAGE 1: Concept Development, Site identification

**Target population**

4100 Students and 250 teachers

**Surfaces**

2 Schools

**Climate**

Arid

### STAGE 2: Pre-Feasibility Studies

**Pre-feasibility study:** Yes

### STAGE 3: Feasibility Studies

**Feasibility study:** No

### STAGE 4: Permitting / Financing / Contracts

- **Land concession signed:** No
- **Environmental impact study:** No
- **Identified sources of fundings:** No

### STAGE 5: Engineering / Construction / Commercial Operation

- **Engineering, Procurement and Construction Contractor:** Tbd
- **Operation and Maintenance Contractor:** Tbd

**Comments**

The pilot PPP is suited to scaling-up (possibly with refinements to the design to strengthen performance). There are more than 100 other schools and kindergartens in UB suitable for such renovations. Most are in poorer areas of UB. While the demand for education and participation is very high in Mongolia, there are acute shortcomings in the supply of good quality facilities and this is having a damaging effect on education outcomes. A scaled-up PPP would help reduce these effects, extending the life of the existing buildings and raising their quality.

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