Outline of the Project

Project Location

4 schools in Ulaanbaatar City

School No. 75, Khan-Uul District
Chingeltei 7th Khoroo School
Scool No. 53 (extension), Bayanzurkh District
School No. 109 (extension), Nalaikh District

Period of Construction

August 2018 to July 2020 (24 months)

Structure

Foundation: Reinforced Concrete (RC) independent footings with foundation beams
Superstructure: RC frames with cast-in-place RC slabs
Roof: RC roof slabs for Classroom Blocks
Steel roof structure for Gymnasium Blocks

Components

Facility

Facility Contents		Site	School No.75	CH 7th Khoroo School	School No.53	School No. 109
		Location	Khan-Uul	Chingeltei	Bayanzurkh	Nalaikh
		Type	Re-build	New Const.	Extension	Extension
Classroom Block	Classroom (36 seats) (CWD accessible)		23 (3)	18 (2)	12 (3)	8 (2)
	Multipurpose room		2	1	1	1
	ICT laboratory		1	1	1	1
	Child development Center		1	1	1	1
	Library		1	1	1	1
	Craft room		2	2	-	2
	Administration rooms		Teachers room and rooms for administrative staff			
	Kitchen/Cafeteria		Cafeteria	Cafeteria	Pantry	Pantry
	Auditorium		1	1	-	-
Gymnasium			Large	Large	Small	-
Boiler Room			-	Yes	-	Yes
Power Generator Room			Yes	-	Yes	Yes
Floor Area (sq.m)			6,317.32	5,060.30	3,345.93	2,649.73
Total Floor Area (sq.m)			17,373.28			

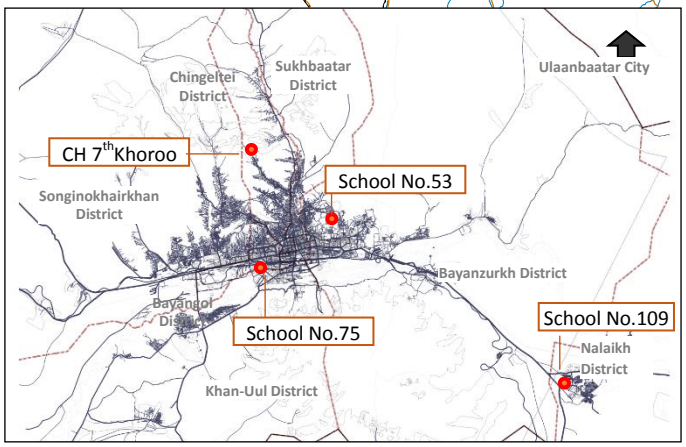
Equipment

School furniture and basic educational equipment

Capacity

School No. 75 — 23 classrooms 828 seats
Chingeltei 7th Khoroo School — 18 classrooms 648 seats
School No. 53 — 12 classrooms 432 seats
School No. 109 — 8 classrooms 288 seats
Total 61 clasrooms 2,196 seats: 4,392 students in 2 shifts

LOCATION



Client:
Ministry of Education, Culture, Science and Sports
Metropolitan Department of Education

Consultant:
Matsuda Consultants International Co., Ltd.
Local Partner: Goo-Van Consulting Co., Ltd.

Contractor:
IWATA CHIZAKI-DAI-NIPPON JV
Local Contractor: Mukhia LLC.

Japan International Cooperation Agency

THE PROJECT FOR THE IMPROVEMENT OF PRIMARY AND SECONDARY EDUCATION IN ULAANBAATAR CITY IN MONGOLIA

Concept of the Project

Project Purpose

The Project intended to acheive twofold aim. Firstly, it aims at improving educational environment for mitigating the shortage of school facilities resulting from a rapid population increase targeting the most needed districts. The Project will then construct quality primary and secondary school facilities as models, that are ultimately envisioned to address social needs related to address cross-cutting issues growing in the country, focusing on accessibility for CWDs (children with disabilities), disaster preparedness and environmental friendliness.

Design Principles

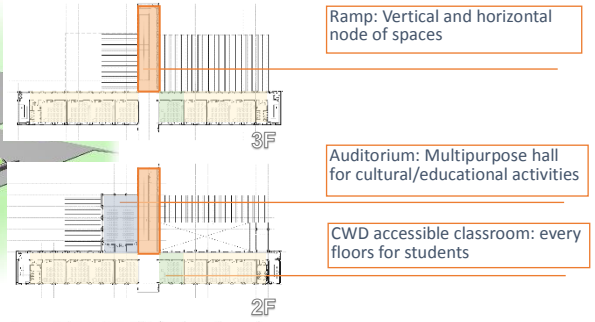
The facilitiees are designed incorporating “universal design” principles that enables all individuals to use easily and safely, regardless of their disabilities, age and sex, with particular focuses on the above three issues:

All floor levels will be connected with a gently sloping ramp aligned with international standards at the center of the buildings which allows users barrier-free access to all functions in new buildings, and also to all floors in existing buildings. CWD-accessible classroom and multifuntional toilet will be provided to each floor. The Project will also provide Child Development Center for children with special education needs.

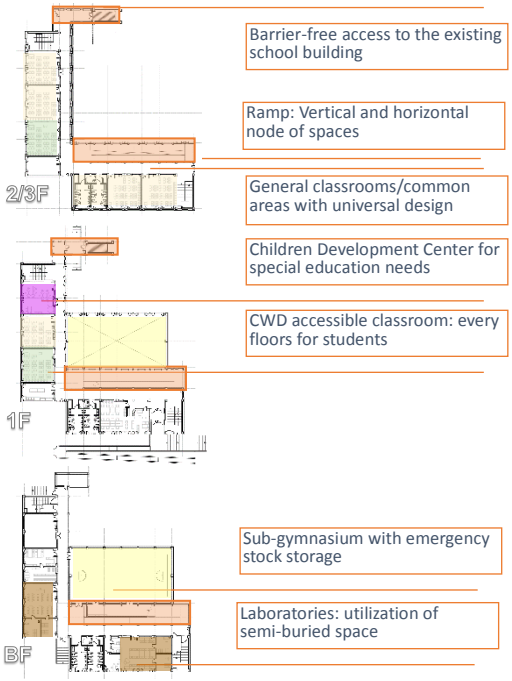
In terms of disaster preparedness, buildings are designed as earthquake resistant according to the revised seismic code. In addition, firefighting/alarming and emergency equipment will be installed according to the latest regulations. The schools are expected to be an evacuation center in the community.

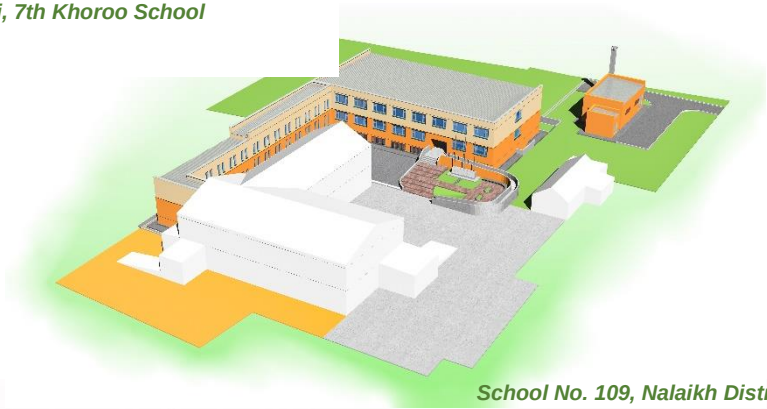
Buildings are designed considering total energy saving. Material with high insulation efficiency are used for external thermal insulation and energy/resource saving equipment, such as LED lights and high-efficiency boiler will be used. Environmentary-effective method of school operation will be established thorough “soft-component” of the Project.

School No 75, Khan-Uul District

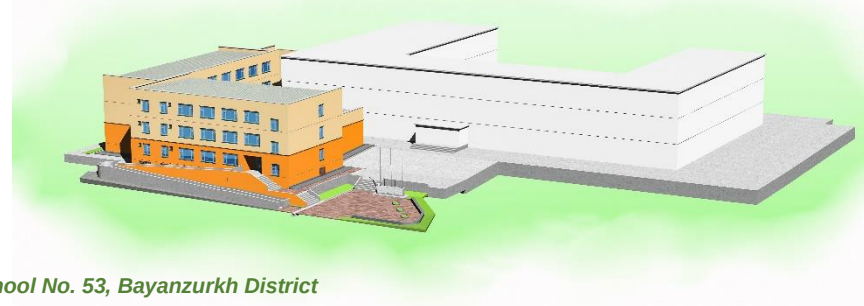


Chingeltei, 7th Khoroo School





School No. 109, Nalaikh District



School No. 53, Bayanzurkh District