SECTION 16783

CCTV SYSTEM

A.   GENERAL

The Contractor shall provide fully functional and operational CCTV and Security Systems in accordance with the Drawings.

B.   SYSTEM DESCRIPTION

The complete system shall be based on IP solutions. All the above mentioned systems are to be connected directly to the Digital Video Recorder located within the building.

In addition to each sub system performing its own role, the role of each sub system is also to interact with each other and pass the relevant information to the main system. This enables the main system operators to monitor entire security system activities from one console and two monitor screens.
The Contractor shall provide all necessary hardware, software to monitor the cameras access control system from the manager office in the kindergarten floor and the floor above.

C.   MATERIALS

Cameras and recorders

The cameras installed should be wide-angle video cameras.
They shall operate continuously, so that at all times, a record is kept of the image of all cameras, in a sequence of at least 24 hours. They continuously show the date and time on the recorded picture.

Digital Video Recorder

A Digital video recorder DVR cabinet is located in the manager room and it is connected to a LED monitor screen 32 inches.
The Cabinet DVR is with a hard disk 2 TB, allowing to view 3 channels in separate windows on the monitor.

Cameras

The indoor CCTV camera dome drive system shall consist of a discreet, miniature camera dome high resolution, 2.8 mm, 1.3 MP, optical and digital zoom, auto switch day and night vision, auto focusing, motorized zoom lens, quick-installing in wall or in-ceiling mounted versions designed for indoor surveillance applications.

The camera system consists of an integrated high resolution, and high performance and sensitivity sensor, the lens shall be equipped with auto-focus with a manual override facility.

The exterior CCTV camera is a vary focal lenses, 1.3 Mega Pixels, weatherproof with auto switch day and night vision with a higher sensitivity nighttime monochrome mode.

END OF SECTION