

# IEE Shahrour Residential Towers Chiyah, Lebanon

EDESSA was commissioned by Dergham & Hamdar Associates to undertake an Initial Environmental Examination (IEE) for the construction and operation of the Shahrour Residential Towers to be developed on Plot No. 768 in the area of Chiyah in the southern suburbs of Beirut, Lebanon.

The proposed Shahrour Residential Towers project will include the following components:

- A total of 7 towers (Buildings A through G) of twelve (12) floors above ground level each, with a total of 164 residential units.
- Four (4) commercial spaces at the ground floor level and four (4) underground storage depots.
- 328 parking spaces are envisaged for the 164 apartments (two parking spaces per apartment), seven parking spaces for the ground floor shops and 48 parking spaces for the depots in the basements.
- Total built-up area of 45,709m<sup>2</sup>.
- Stormwater collection system: stormwater will go through an on-site oil/water separator unit and a filtration unit prior to being redirected to the main water tanks on the building roofs. Collected stormwater will be reused by the buildings' residents.
- An on-site private Wastewater Treatment Plant (WWTP) with a capacity of 20 gallons per minute (gpm), equivalent to an estimated 77m<sup>3</sup>/day, for the entire development.

EDESSA's initial impacts assessment indicates that negative impacts should be manageable provided that recommended mitigation measures are properly implemented.

