



8 - OCT. 2018

EDF International Networks

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MATELEC S.A.L.

P.O. Box 12 Jbeil

Amchit- Ghorfine

Lebanon

Attn: Mr. Cesar Lutfallah

Director, Engineering and Contracting Division

Your references

Our references BAALBECK\EDF\MAT\0010\0183

Contact Loic Popiel ☎ +961 3 286 872

Subject Supervision & Management of the construction of the two 220 kV main substations in Baalbeck
Energization Certificate for AIS 220kV Baalbeck SS

Beirut, October 8, 2018

Dear Sir,

Following your request, here attached the Energization Certificate relative to AIS 220 KV Baalbeck Substation contract.

Best regards,

Loic Popiel
Resident Manager

Enclosed: AIS 220 KV Baalbeck Substation Energization Certificate (1 page)

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TO WHOM IT MAY CONCERN

Beirut, October 8, 2018

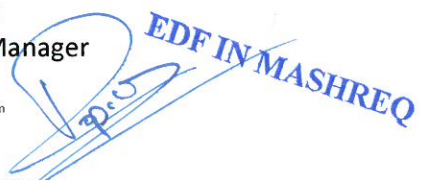
We, the undersigned, **EDF** the engineer (consultant) representing the client **Electricité Du Liban EDL - Lebanon** for the project "**Air Insulated Switchgears 220kV AIS Substation-Baalbeck**" (**contract price: USD 23,635,112.00 EXCLUDING VAT**), hereby confirm and certify that the following below sections under the said project has been completed by Matelec SAL and partially reception by the Client and are currently in service operated by the Client **EDL**:

• **AIS 220 kV Baalbeck Substation energized on 24/04/2018.**

The work involved the construction of one (01) new substation at new substation at Baalbeck (220/66/20kV) and comprised: site surveys, engineering, supply, civil works, erection, testing and commissioning, as well as the training of operation and maintenance personnel where necessary.

- 1x170 MVA 220/66 kV transformer manufactured by MATELEC s.a.l – Lebanon.
- 2x70MVA 220/20-15 kV transformer manufactured by MATELEC s.a.l – Lebanon.
- 2x 220 kV incoming feeders
- A double-busbar 220kV with coupling bay
- 2 out-going 66 kV feeders (KSARA-LABOUEH)
- 1x66 kV Transformer Bay + 2 cable feeders (TG1 & TG2)
- 2 incoming 20 k V
- 20 outgoing 20 k V feeders + 2 capacitor Bank + 2 TSA
- A double busbar 66 kV with coupling
- Two single busbar 20kV with coupling
- Supervisory and control equipment
- Substation control building: Control, protection, relay and auxiliary panels. (Manufactured by MATELEC sal – Lebanon).
- Civil works
- 3x 220kV Transformers Bays

Loic Popiel
Resident Manager



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