

Subject: Rehabilitation of Pediatric Hospital in Aleppo, (supply and installation of Transformer and Related Works)

Ref. UNDP-SYR-ITB-060-22

Questions and Answers Report #2

Item No.	Description And Location	Issues	Questions	UNDP Answers
A01	The Technical Specifications of the 1600KVA Transformer	The Technical Guarantee and Particulars Table is for 1000KVA transformer	Please Share a new Technical Guarantee and Particulars table for 1600KVA transformer	You can find attached 1600 KVA 3 phase Transformer technical specifications.
A02	Providing, transferring, and installing 20-KV, medium-voltage breaker, corresponding to the capacity of the transformer with fuse holders and all that is required	Providing and installing a 20kv MV breaker – commensurate with the generator's capacity (1250A) or whatever suits it (Page No. 4)	Providing and installing a 20kv MV breaker – commensurate with the transformer's capacity (1250A) or whatever suits it	It is a typo, the correct is "transformer's capacity"
A02	Providing and installing a 20kv MV breaker – commensurate with the transformer's capacity (1250A) or whatever suits it , indoor-installed, with fuses holders and all that is required to work under load with the fuse's holders.	<p>The MV Breaker witch Suits the capacity of the transformer can't be More than (630A) and it is approved by the Ministry of Electricity and Electricity Institutions in Syria for the national MV network.</p> <hr/> <p> $P = U * I * \sqrt{3}$ Transformer Capacity = P = 1600 KVA Medium Voltage Retted Current = U = 20 KV Current on primary coil of the transformer = I = 46A </p>	Please Share a new Technical Guarantee and Particulars table for 630A MV Breaker with fuses holders as a Suits breaker.	The MV Breaker which Suits the capacity of the transformer will be (630A) u can find the Technical Guarantee and Particulars table in separated file attached.

A03	Providing, transferring, and installing medium-voltage fuses, 20KV, 125 Amp	The Technical Guarantee and Particulars Table is for 25 Amp, 40Amp, 63Amp, 100Amp not for 125 Amp fuses. (Page No. 30) No need for more than 63Amp fuses, and that makes the table correct.	Please advise us if the 63Amp fuses is Suitable, Otherwise, kindly share a new Technical Guarantee and Particulars table for 125Amp fuses.	No need for 125Amp, and the recommendation of the General Company of Electricity of Aleppo is to use a 100 Amp fuse.
A04	Providing and installing an indoor 20kv, 1250-Amp MV breaker without fuses holders with all that is required	Same Case of Item No. A02	Please Share a new Technical Guarantee and Particulars table for 630A MV Breaker without fuses holders as a Suits breaker.	The MV Breaker which Suits the capacity of the transformer will be (630A) u can find the Technical Guarantee and Particulars table in separated file attached
A05	Providing, transferring, and installing 20-KV knife switches without load	Same Case of Item No. A02	Please Share a new Technical Guarantee and Particulars table for 630A 20-KV knife switches without load as a Suits breaker.	The MV Breaker which Suits the capacity of the transformer will be (630A) u can find the Technical Guarantee and Particulars table in separated file attached
A12	Providing and installing junction boxes for copper cables, 20/12kv, 1x185mm ² (underground junction boxes)	The junction boxes must be for Aluminium cables, 20/12kv, 1x185mm ²	Please Share a new Technical Guarantee and Particulars table for junction boxes for Aluminium cables	It is correct, the cable conductor material is made of Aluminum and the winning bidder shall provide the technical specs of the item he will be using to be approved by the supervising committee of the GCE.