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April 25th, 2019

ADDENDUM 01


ITB 110/19 -Rehabilitation and Stringing for 33kV SC Over Head Transmission Line between (Qaraqush 132kV SS) and (Namrud 33kV SS) in Ninewa Governorate.

Following clarifications were sought during the site visit. Please see UNDP responses below.

No.	BIDDER QUESTIONS ASKED	UNDP RESPONSES GIVEN
1	With reference to item 1 of the BoQ, On what the design of the profile for the line is depend?	We recommend using the standard edition of PLS-CADD program which is a line design program that includes all the terrain, sag-tension, loads, clearances and drafting functions necessary for the design of an entire power line.
2	How many the distance of the OHTL to check it and to make general maintenance of it according to item number 34 of the BoQ?	The 33kV overhead transmission line route starts from the beginning of the line at (132kV Qaraqush Substation) to the (33kV Namrud substation) for a distance of total approx.19km length and partially is damaged
3	Do supply and install for missing members and bolts of the tower body include to this BoQ?	Mechanical capacity check shall be done for all of existing towers before starting of stringing, including supply and install of missing members especially for lower part of the Tower body, supply and install of different sizes of bolts and tightening of bolts for some of safe existing 33kV Towers. Supplying of missing members and bolts shall be according to tower drawings or matching with dimensions of exist towers. Supply and installing missing parts and

		redundant members will be calculate according to item no.34 of the BoQ to energize the line property.
4	On which tower the load break switch will be install?	The load break switch shall be installed on a terminal tower at both substations, Namrud and Qaraqush according to the final decision from the end user in the ministry of electricity.
5	Why there are two types of indoor cable termination in the BoQ, AIS and GIS?	The switchgear inside the Namrud substation is old and it is AIS type and the switchgear inside the Qaraqush is GIS type. Accordingly, the indoor termination work shall be according to attached annex_24 and according to item28 and 29 of the BoQ.
6	Is the line route available for medium span towers?	Yes. Ministry of electricity engineers already have all official agreements for the line route of the mentioned project from all authorities ministers in Ninewa Gov since 2013, as like Ministry of Oil, the ministry of the municipality, Ministry of Tourism and Antiquities, Ministry of the environment, Ministry of Water Resources and agriculture department.
7	Shall the contractor install new type of medium span towers and its foundation on same place and location of the old short type tower exist foundation?	The location of the new type towers (medium span design) part will be according to final approval of line profile design which is described in item no.1 of the BoQ.

This Addendum -01 forms an integral part of the ITB-110/19 All other Terms and Conditions in this ITB will remain unchanged.

Yours sincerely,

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