

**United Nations Development Programme**

**Addendum No. 3 dated 30 March 2017**

[ ITB-2017-075]

**Pre-bid Meeting Minutes – Addendum No 3**

**PAL10-00099398 : ITB-2017-075 - Rehabilitate GIE Infrastructure / Package #1 - Transformer Rooms**

**Issue Date: 15 March 2017**

**Closing Date & time: 5 April 2017 @ 12.00 P.M.**

**Extended Closing Date & time: 12 April 2017 @ 12.00 P.M.**

Dear Bidders,

The following clarification is considered as Addendum No. 3 to the Invitation to Bid, which shall be deemed to form and be read as part of the tender:

1. Item no (9.4): RMU switchgear / Supply, install connect and commission metal glad (M.V switchboard) made of three sections (2 In/ 1 Out) Feeders, the system includes 3 vacuum circuit breakers, fixed types, with internal arc proof, with motor operator, rated voltage is 24 KV, Rated short-circuit current is 20 KA, rated normal current of bus bar is 630A. The metal-enclosure, is SF6-insulated switchgear for indoor installation. This system is suitable used for industrial energy systems of the Medium Voltage distribution level.

**(Type is Siemens, ABB or equivalent)**

The price includes the followings:

- All needed measuring and Metering devices (including but not limited Current & Voltage transformers of suitable ratings to measure the voltage, current, active power, reactive power, Hz,...,etc) one for each incoming feeder and two numbers for the outcoming feeder . All metering devices must be Bidirectional type.
- REF615 relay for each feeder for protection, control, measurement and supervision of overhead lines and cable feeders in utility.
- Full control system to connect and comply with SCADA system with all communication interface type Modbus/Tcp or dnp3/ top with five managers 1139.
- All needed protection and safety devices such as (Main relay type ref 615 or related over current, earth fault relays, shunt release, under voltage release, operating counter, pressure switches, antidumping devices, closing solenoid, mechanical and electrical interlock, mcb's, terminal blocks with all needed materials, accessories and workmanship for proper installation. The contractor should provide full technical specification and catalogues for approval before supplying the system.
- RMU Switchgear in/ out unit must be separate and compatible to couple with other switch gears with all needed accessories, bus bars, control and connections to complete the work.

**Interested bidders shall acknowledge receipt of this addendum/pre-bid minutes by returning/including it, signed and stamped, with their bids.**

For your kind attention and reference,

Sincerely Yours,

Khaled Shahwan

Deputy Special Representative (Operations)

