

DATE	QUESTION	ANSWER
8.4.2019	<p>1. The Contract among others is construed of the "Conditions, i.e. a consolidated version of the FIDIC Red Book (1st ed. 1999) General Conditions and Particular Conditions". The Contracting Authority has made lot of modifications and changes to the FIDIC Red Book as per the document "Conditions of Contract for Construction" which is part of the Tender Documents. Would it be possible to provide the tenderers with a version of the document where all modifications and changes of the FIDIC Red Book would be marked (e.g. a revision mode or red pen marking)? Due to the extent to the document it is quite impossible to review it all and the identification of all changes would be a great help to all tenderers to understand the Contract.</p>	<p>1. Unfortunately, document indentifying all changes is not available. However only published version of Contract is binding, not FIDIC Red Book.</p>
	<p>2. Are there any appointed manufacturers or subcontractors for the electro part – e.g. security, I&C, Telco, cathodic protection, etc.? Meaning, that the Contracting Authority has identified some subcontractors or products which must be installed and used during the Contract implementation and which must be included (calculated) in the Tender Proposal.</p>	<p>2. All of the project parts must be compatabile with the systems and solutions on N4G existing grid. N4G can inform the EPC's about our standart subcontractors.</p>
	<p>3. In the Tender Documents a Few manufacturers/products are mentioned (as listed below). Does it mean that strictly does manufacturers/products must be used by the Contractor during the Contract implementation or is there a possibility to use other manufacturers/products which meets or the given parameters?</p> <p>a. Optical Fibre Cables – Furakawi (a Japan product/manufacture?)</p> <p>b. Fibre optic cable protection sleeve - Dura</p> <p>c. Cathodic protection – Protegol</p> <p>d. Lighting - Eaton</p> <p>e. I&C - B&R Automation</p>	<p>3. Generally N4G woul like to secure compatabile solution with existing one. If EPC constructor to secure compatibility and minimally same quality, confirmed by the documentation, certificates in accordance with standards, full fill the technical standards etc., no problem to use different manufactures / products.</p> <p>A) to N4G standardize components to be able to operate, to have spare parts on warehouse and to limit service organization qualification to achieve reasonable OPEX</p> <p>B)N4G HDPE expected lifetime is 60 years. There is not any other lubrication comparable with Silicore for such lifetime without operation gotchas like sticking etc.</p> <p>C) Protegol – it's not the cathodic protection, it's just a coating – a corrosion protection.</p> <p>Protegol is a two component hot sprayed solvent-less polyurethane applicable on the field in thickness of 2 mm in one layer. The Protegol UR 32-55 is commonly used for coating of underground steel constructions (also cathodically protected) in Europe. The Protegol is not strictly prescribed. There is possible to use any other coating system which meets the same (or better) requirements according to the EN 10290 "type 2 class B" and/or ISO 21809-3 -18B. Compliance of such a requirements shall to be proved by an independent laboratory which is accredited for the underground coatings testing (not older than 3 years). There are a few of them in Europe e.g. KIT-Engler Bunte Institut – Deutschland; TGM-LKT – Austria; Exova – England,... Moreover the PQT (procedure qualification trial) acc to the ISO 21809-3 (AnnexA) shall to be provided before approval by NET4GAS.</p> <p>D) in accordrance with General note</p> <p>E) SW and HW compatability must be secure also future operation and servise for whole Control system. Probably only I&C - B&R Automation is possible.</p>