**ORDER**

**№ A 295**

**Sofia,** **10.05.2022**

**INSPECTION BODY of TYPE С at " VESTA - 17" LTD,**

**town of Targovishte**

**Management address:** 7700 Targovishte, 4 “Paisiy” str., entrance B, 1-st floor, apt. 4, POB 4

**Office address:** 7700 Targovishte, Vabel residential quarter, 13 “Hristo Smirnenski” str.

**To perform inspection according to the following scope:**

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| **Type of scope:** *flexible\** |
| **№** | **Field of inspection** | **Type of inspection** | **Parameter of Inspection/****Characteristic** | **Test and Measurement Methods used during inspection** | **Regulations, Standards, Specifications, Schemes** |
| **1** | **2** | **3** | **4** | **5** | **6** |
| 1. | Electrical systems and equipment up to and above 1000 V | New or in exploitation facilities/equipment | Resistance of earthing protection systems  | Inspection procedure ПК 01 | Ordinance № 3- 2004, /SG 90 and 91/2004;Ordinance № 16-116/ SG 26/2008; Technical specification |
| Insulation resistance | БДС 1986p. 3.3 a), b), d) and e)Inspection procedure ПК 02 | Ordinance № 3- 2004, /SG 90 and 91/2004;Ordinance № 16-116/ SG 26/2008; Technical specification |
| Resistance of grounding electrode subsystem of lightning protection systems | Inspection procedure ПК 03 | Ordinance № 4-2011/ SG 6/2011;Technical specification |
| 2. | Electrical installation and equipment for voltage up to 1000 V | New or in exploitation facilities/equipment | Impedance Zs of the loop "phase - protective conductor" | Inspection procedure ПК 04 | Ordinance № 3- 2004/ SG 90 and 91/2004;Ordinance № 16-116/SG 26/2008; Technical specification |
| Residual current circuit breakers:-action current,-action time,-contact voltage | Inspection procedure ПК 05 | Ordinance № 3- 2004/ SG 90 and 91/2004;Ordinance № 16-116/SG 26/2008; Technical specification |
| 3.  | Electrical protective equipment |
| Dielectric gloves (rubber insulating gloves),dielectric boots and galoshes;Dielectric carpets and rugs | Products in exploitation | Electrical strength of insulation,Leakage current  | Ordinance № 22/SG 45/2006Inspection procedure ПК 06 | Ordinance № 22/SG 45/2006;Technical specification |
| Insulating rods,Voltage detectors | Products in exploitation | Electrical strength of insulation | Ordinance № 22/SG 45/2006Inspection procedure ПК 07 | Ordinance № 22/SG 45/2006;Technical specification |
| 4. | Power cable lines and equipment up to 20 kV | New or in exploitation facilities/equipment | Insulation testing applying higher DC voltage levels | БДС 2406;Inspection procedure ПК 08 | Ordinance № 16-116/SG 26/2008;Technical specification |
| 5.  | Power transformers up to 20 kV including ones in exploitation | New or in exploitation facilities/equipment | Insulation resistance  | БДС 16654;Inspection procedure ПК 09 | Ordinance № 16-116/ SG 26/2008;Standards for testing electrical machinery and equipment-1995;Technical specification |
| Breakdown voltage of transformation oil | БДС 60156;Inspection procedure ПК 10 | Ordinance № 16-116/ SG 26/2008;Technical specification |
| 6. | Microclimate in the workplace | New or in exploitation facilities/equipment | Air temperature;  Relative humidity of air; Air velocity | БДС 16686;Ordinance № РД-07-3 /SG 63/2014;Inspection procedure ПК 11 | Ordinance № РД-07-3/ SG 63/2014;БДС 14776;Technical specification |
| 7. | Artificial lighting of work and living environment | New or in exploitation facilities/equipment | Illuminance | Methodological guidelines for measuring and assessing artificial lighting in buildings, 40-85;Inspection procedure ПК 12 | Ordinance № 49/SG 7/1976;БДС EN 12464-1;Technical specification |
| 8. | Occupational noise | New or in exploitation facilities/equipment | Daily noise exposure level;Average weekly noise exposure level; C-weighted peak sound pressure level  | БДС EN ISO 9612(БДС ISO 1999);Inspection procedure ПК 13 | Ordinance № 6/SG 70/2005 |

*\* The introduction of a new version of standards/documents or standards/documents that replace them is allowed. An updated list of standards/documents with their dated versions is provided by the CAB.*

Ordinance № 16-116 – On technical exploitation of energy equipment (SG 26/2008);

Ordinance № 3 – On construction of electrical systems and power line (SG 90/2004, 91/2004);

Ordinance № 4 – On lightning protection of buildings, external equipment and open spaces (SG 6/2011);

Ordinance № 22 – On testing electric safety devices in exploitation (SG 45/2006);

НИЕМС – 1995 - Standards for testing electrical machinery and equipment;

Ordinance № РД-07-3 – On minimum requirements to microclimate in working spaces (SG63/2014);

Ordinance № 49 – On artificial lighting of buildings (SG 7/1976);

Ordinance № 6 – On minimum requirements to ensuring health and safety of employees working under the risk of exposure to noise (SG 70/2005);

Methodological guidelines for measurement and assessment of artificial lighting in buildings 40-85, Compendium of methods НЦХМЕХ, volume IV, ed. "Standardization", 1985;

ТС - Technical specification.