**ORDER**

**№ A 343**

**Sofia, 01.06.2022**

**Inspection Body of TYPE А at "PRAKTIK-HD” Ltd.,**

**town of Yambol**

**Address of management:** town of Yambol 8600, 11 Dimitar Blagoev Str., Entrance B, Apt. 51,

**Office** **address:** town of Yambol 8600, 52 Dimitar Blagoev Str., ground floor

**To perform control of:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **№** | **Field of inspection** | **Type of inspection** | **Parameter of Inspection/ Characteristic** | | | **Test and Measurement Methods Used During Inspection, Inspection Procedure** | **Regulations, Standards, Specifications, Schemes** |
| **1** | **2** | **3** | **4** | | | **5** | **6** |
| **Type of scope:** *flexible\** | | | | | | | | |
| 1 | Electrical installations and equipment for voltages up to and above 1000V: | Initial and/or periodic, on new and/or in operation sites/facilities | | Resistance of protective earthing systems | Ordinance No. РД-02-20-1 (SG 53/2018)  ПК 7.1.2-01 | | Ordinance No. 3 (SG 90 and 91/2004)  Ordinance No. 16- 116 (SG 26/ 2008)  TS |
| Lightning protection resistance grounding devices | ПК 7.1.2-01 | | Ordinance No. 16- 116  (SG 26/2008.)  Ordinance No. 4 (SG 6/ 2011)  ТS |
| 2 | Electrical devices and equipment for voltage up to 1000 V | Initial and/or periodic, on new and/or in operation sites/facilities | | Impedance of the "phase-protective conductor" loop | Ordinance No. РД-02-20-1 (SG 53/2018)  ПК 7.1.2-02 | | Ordinance No. 3 (SG 90 and 91/2004)  Ordinance No. 16- 116(SG 26/ 2008)  TS |
| Protective circuit breakers for zero-sequence currents:  - Trigger current; - Touch voltage;  - Shutdown time. | Ordinance No. РД-02-20-1 (SG 53/2018)  ПК 7.1.2-04 | | Ordinance No. 3 (SG 90 and 91/2004)  Ordinace No. 16- 116  (SG 26/ 2008)  ТS |
| 3 | Cables and cable power lines for voltage up to 20 kV | Initial and/or periodic, on new and/or in operation sites/facilities | | Insulation resistance | Ordinance No. РД-02-20-1 (SG 53/2018)  БДС 1986, it. 3.3 а), б), д) and е)  ПК 7.1.2-03 | | Ordinance No. 3 (SG 90 and 91/2004)  Ordinance No. 16- 116  (SG 26/ 2008)  ТС |
| Elevated DC voltage test | БДС 2406  НИЕМС  ПК 7.1.2-03 | | Ordinance No. 3 (SG 90 and 91/2004)  Ordinance No. 16- 116 (SG 26/ 2008)  ТС |
| 4 | Electrical protective equipment |  | |  |  | |  |
| 4.1 | Insulating barbells, measuring rods, insulating clamps, current meter clamps, insulating rods for portable earthing rods, rubber dielectric rugs | Periodic, products in operation | | Electrical strength of the insulation by control with increased voltage at a frequency of 50 Hz | Ordinance No. 22  (SG. 45/2006)  ПК 7.1.2-05 | | Ordinance No. 22  (SG. 45/ 2006)  TS |
| 4.2 | Dielectric gloves, dielectric boots and galoshes | Electrical strength of the insulation by control with increased voltage with a frequency of 50 Hz;  Leakage current. |
| 4.3 | Voltage indicators | Electrical strength of the insulation by control with increased voltage with a frequency of 50 Hz;  Voltage threshold. |  | |
| 5 | Power transformers up to 20 kV | Initial and/or periodic, on new and/or in operation sites/facilities | | Insulation resistance | БДС 16654  ПК 7.1.2-06 | | Ordinance No. 3 (SG 90 and 91/2004)  Ordinance No. 16- 116  (SG 26/ 2008)  НИЕМС  TS |
| Industrial Frequency Elevated Voltage Insulation Test | БДС 16249  ПК 7.1.2-06 | | Ordinance No. 3 (SG 90 and 91/2004)  Ordinance No. 16- 116  (SG 26/ 2008)  НИЕМС  ТС |
| Active resistance of the coils | БДС 15320  ПК 7.1.2-06 | | Ordinance No. 16- 116 (SG 26/ 2008)  НИЕМС  ТС |
| Breakdown voltage of transformer oil | БДС EN 60156  ПК 7.1.2-06 | | Ordinance No. 16- 116 (SZ 26/ 2008)  НИЕМС  ТС |
| 6 | Microclimate in working and domestic environments | Initial and/or periodic, on new and/or in operation sites/facilities | | temperature of the air | Ordinance No. РД 07-3  (SG 63/2014)  БДС 16686  ПК 7.1.2-07 | | Ordinance No. РД- 07-3)  (SG 63/ 2014)  Ordinance No. 2  (SG 15/ 2007г)  Ordinance No. 3  (SG 15/ 2007)  Ordinanc eNo. 9  (SG 46/ 1994)  Ordinance No. 24  (SG 95/ 2003)  БДС 14776  TS |
| relative air humidity |
| air movement speed |
| 7 | Artificial lighting in working and domestic environments | Initial and/or periodic, on new and/or in operation sites/facilities | | Illumination | Methodological guidelines for measuring and evaluating artificial lighting in buildings 40-85,  Publishing house "Standardization"1985  ПK 7.1.2-08 | | Ordinance No. 49  (SG 7/ 1976)  Ordinance No. 2 (SG 15/ 2007)  Ordinance No. 3 (SG 15/ 2007)  Ordinance No. 9 (SG 46/ 1994)  Ordinance No. 24 (SG 95/2003)  БДС EN 12 464- 1  TS |
| 8 | Noise in the work environment | Initial and/or periodic, on new and/or in operation sites/facilities | | - Noise level;  - Equivalent noise level;  - Daily noise exposure level;  - Average weekly noise exposure level; | БДС EN ISO 9612  (БДС ISO 1999)  БДС 15471  ПК 7.1.2-09 | | Ordinance No. 6 (SG 70/ 2005)  Ordinance No. 9 (SG 46/ 1994)  TS |
| 9 | Noise in the premises of residential and public buildings | Initial and/or periodic, on new and/or in operation sites/facilities | | - Noise level;  - Equivalent noise level; | БДС 15471  ПК 7.1.2-10 | | Ordinance No. 6 (SG 58/ 2006-  Annex 2, Table 1)  Ordinance No. 2 (SG 15/ 2007)  Ordinance No. 9 (SG 46/ 1994)  Ordinance No. 24 (SG 95/ 2003)  Ordinance No. 6 (SG 16/ 1977)  TS |
| 10 | Vibration transmitted to the arm-shoulder system | Initial and/or periodic, on new and/or in operation sites/facilities | | Daily value of exposure to vibrations transmitted to the arm-shoulder system | БДС EN ISO 5349- 1  БДС EN ISO 5349- 2  ПК 7.1.2-11 | | Ordinance No. 13 (SG 8/ 2004)  Ordinance No. 10 (SG 94/ 2003) |
| 11 | Chemical agents in the air of a working environment | Initial and/or periodic, on new and/or in operation sites/facilities | | Concentration of dust in the air of a working environment, inhalable fraction; | БДС 2200  БДС EN 482  БДС EN 689+АС  ПК 7.1.2-12-1 | | Ordinance No. 13 (SG 8/ 2004)  Ordinance No. 10 (SG 94/2003 |
| Concentration of chemical agents in the air of the working environment by linear-colorimetric method (indicative tubes) | БДС EN 482  БДС EN 689+АС Methodological guidelines for determining toxic gases and vapors in the air of the working environment by linear-colometric methods, book 2, edition of the Medical Academy,  Scientific Institute in hygiene and professional diseases, Association Higitest 1987  ПК 7.1.2-12-2 | | Ordinance No. 13 (SG 8/ 2004)  Ordinance No. 10 (SG 94/2003) |
| 12 | Ventilation  systems | Initial and/or periodic, on new and/or in operation sites/facilities | | - speed of air flow;  - air flow rate; | БДС 12.3.018  ПК 7.1.2-13 | | Ordinance No. 15 (SG No. 68/2005)  Ordinance No. 24 (SG No. 95/2003)  TS |

*\* The introduction of a new version of standards/documents or standards/documents that replace them is allowed. An up-to-date list of standards/documents with their dated versions is provided by the Conformity assessment bodies.*

Ordinance No. 16-116 on the technical operation of electrical equipment (SG No. 26/2008);

Ordinance No. 3 on the arrangement of electrical systems and power lines (SG No. 90 and 91/2004);

Ordinance No. 4 on the lightning protection of buildings, outdoor facilities and open spaces (SG No. 6/2011);

Ordinance No. 22 on testing electrical protective equipment in operation (SG No. 45/2006);

НИЕМС- 1995 - Standards for testing electrical machines and equipment;

Ordinance No. РД-02-20-1 on technical rules and regulations for control and acceptance of electrical installation works (SG No. 53/2018)

Ordinance No. РД-07-03 on the minimum requirements for the microclimate of workplaces (SG No. 63/2014);

Ordinance No. 2 on the health requirements for computer and Internet rooms for public use (SG No. 15/2007);

Ordinance No. 3 on health requirements for kindergartens (SG No. 15/2007);

Ordinance No. 9 on the health and hygiene requirements for the use of personal computers in the education and extracurricular activities of students (SG No. 46/1994);

Ordinance No. 24 on sanitary and hygienic requirements for discotheques (SG No. 95/2003);

Ordinance No. 49 on artificial lighting of buildings (SG No. 7/1976);

Methodological guidelines for measuring and evaluating artificial lighting in buildings 40-85, Ed. Standardization 1985;

Ordinance No. 6 on the minimum requirements for ensuring the health and safety of workers at risks related to noise exposure (SG No. 70/2005);

Ordinance No. 6 on the indicators of noise in the environment, taking into account the degree of discomfort during different parts of the day, the limit values ​​of the indicators of noise in the environment, in the premises of residential and public buildings, in zones and territories intended for residential construction, recreational zones and territories and mixed-use zones, the methods for evaluating the values ​​of the noise indicators and the harmful effects of noise on the health of the population (SG No. 58/2006 amended, SG No. 100 of 2021)

Ordinance No. 6 on ensuring a normal acoustic environment in residential and public buildings and places (SG No. 16/1977);

Ordinance No. 3 on the minimum requirements for ensuring the health and safety of workers at risks related to vibration exposure (SG No. 40/2005);

Ordinance No. 15 on technical rules and regulations for the design, construction and operation of sites and facilities for the production, transmission and distribution of thermal energy (SG No. 68/2005);

Ordinance No. 13 on the protection of workers from risks related to exposure to chemical agents at work (SG No. 8/2004);

Ordinance No. 10 on the protection of workers from risks related to exposure to carcinogens and mutagens at work (SG No. 94/2003);

Methodological guidelines for determining toxic gases and vapors in the air of the working environment by linear-colorimetric methods, vol. 2, ed. Medical Academy, Scientific Institute of Hygiene and Occupational Diseases, Association "Higitest", 1987;

TС - technical specification.