**ORDER**

**№ A 570**

**Sofia, 28.09.2022**

**INSPECTION BODY OF TYPE C**

**at "OMEGA ST" ООD, PLOVDIV**

**Management address:**

4001 Plovdiv, 34 Hadzhi Dimitar Blvd

**Office address:**

4000 Plovdiv, 5 Ponedelnik Pazar Str.

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**To perform inspection:**

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| **Scope type:** *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 |
| **I. ELECTRICAL INSTALLATIONS AND EQUIPMENT UP TO 1000 V** | | | | | |
| 1 | Electrical installations and equipment up to 1000 V | Inspection of new and/or operational facilities and sites | Impedance of "Phase - protective conductor" circuit | ПК 7.1-07 | Ordinance No. 3  (SG No. 90 and 91/2004)  Ordinance No. 16-116  (SG No. 26/2008) Technical specification |
| 2 | Electrical installations and equipment up to 1000 V | Inspection of new and/or operational facilities and sites | Zero sequence current circuit-breakers:  - actuation current;  - contact voltage | ПК 7.1-08 | Ordinance No. 3  (SG No. 90 and 91/2004) Ordinance No. 16-116  (SG No. 26/2008) Technical specification |
| 3 | Electrical installations and equipment up to 1000 V | Inspection of new and/or operational facilities and sites | Resistance of protective earthing systems | ПК 7.1-09 | Ordinance No. 3  (SG No. 90 and 91/2004) Ordinance No. 16-116  (SG No. 26/2008)  Technical specification |
| 4 | Electrical installations and equipment up to 1000 V | Inspection of new and/or operational facilities and sites | Resistance of  the earthing leads of lightning protection  earthing systems | ПК 7.1-10 | Ordinance No. 4  (SG No. 6/2011)  Technical specification |
| 5 | Electrical installations and equipment up to 1000 V | Inspection of new and/or operational facilities and sites | Insulation resistance | БДС 1986 –  item 3.3 a), b), e), f)  ПК 7.1-11 | Ordinance No. 3  (SG No. 90 and 91/2004) Ordinance No. 16-116  (SG No. 26/2008)  Technical specification |
| **II. PHYSICAL FACTORS OF THE ENVIRONMENT** | | | | | |
| 6 | Artificial  lighting | Inspection of new and/or operational facilities and sites | Illumination | Methodical instructions for measurement and assessment of artificial lighting in buildings 40- 85, 1985  ПК 7.1-05 | Ordinance No. 49  (SG No. 7/1976)  Ordinance No. 24  (SG No. 95/2003)  Ordinance No. 9  (SG No. 46/1994)  Ordinance No. 2  (SG No. 15/2007)  Ordinance No. 3  (SG No. 15/2007)  Ordinance No. 19  (SG No. 79/2008)  Ordinance No. 26  SG No. 103/2008  БДС EN 12464-1  Technical specification |
| 7 | Microclimate in working and living environments | Inspection of new and/or operational facilities and sites | - air temperature,  - relative air humidity, - air velocity, | БДС 16686  ПК 7.1-01 Ordinance No. РД-07-3  (SG No. 63/2014) | Ordinance No. 24  (SG No. 95/2003)  Ordinance No. 9  (SG No. 46/1994)  Ordinance No. 2  (SG No. 15/2007)  Ordinance No. 3  (SG No. 15/2007)  Ordinance No. 26  (SG No. 103/2008) Ordinance No. РД-07-3  (SG No. 63/2014)  БДС 14776  Technical specification |
| 8 | Noise in working environments | Inspection of new and/or operational facilities and sites | - noise level, dBA;  - equivalent noise level, dBA | БДС 15471  ПК 7.1-02 | Ordinance No. 7  (SG No. 88/1999/ - Art. 138  Ordinance No. 9  (SG No. 46/1994)  Ordinance No. 26  (SG No. 103/2008/)  Technical  specification |
| Inspection of new and/or operational facilities and sites | - daily / average weekly noise exposure level, dBA  - peak sound pressure level, dBC | БДС ISO 1999 (БДС EN ISO 9612)  ПК 7.1-12  ПК 7.1-13 | Ordinance No. 6  (SG No. 70/2005)  Technical specification |
| 9 | Noise in the various territories and spatial zones within and outside urbanized territories | Inspection of new and/or operational facilities and sites | - equivalent noise level, dBA;  - noise level, dBA | БДС 15471  ПК 7.1-03 | Ordinance No. 6  (SG No. 58/2006)  - Appendix No.2, Table 2 |
| 10 | Noise in premises of residential and public buildings | Inspection of new and/or operational facilities and sites | - noise level, dBA;  - equivalent noise level, dBA; | БДС 15471  ПК 7.1-04 | Ordinance No. 6  (SG No. 58/2006)  - Appendix No.2, Table 1  Ordinance No. 9  (SG No. 46/1994)  Ordinance No. 24  (SG No. 95/2003)  Ordinance No. 2  (SG No. 15/2007)  Ordinance No. 26  (SG No. 103/2008)  Technical specification |
| **III. VENTILATION INSTALLATIONS** | | | | | |
| 12 | Ventilation  installations | Inspection of new and/or operational facilities and sites | Air flow velocity,  Air flow rate | БДС  12.3.018  ПК 7.1-06 | Ordinance No. 24  (SG No. 95/2003)  Ordinance No. 15  (SG No. 68/2005)  Technical specification |

*\* 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 No. 3 on the structure of electrical installations and power lines (SG No. 90 and No. 91/2004);

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

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

Methodical instructions for measurement and assessment of artificial lighting in buildings 40-85, issued by Standardization, 1985;

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

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

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

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

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

Ordinance No. 19 on the structure and the activity of optician’s and the health requirements for them (SG No. 79/2008);

Ordinance No. 26 on the structure and the activity of kindergartens and children's kitchens and the health requirements for them (SG No. 103/2008);

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

Ordinance No. РД-07-3 on the minimum requirements for the microclimate at workplaces (SG No. 63/2014);

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

Ordinance No. 7 on the minimum requirements for healthy and safe working conditions at workplaces and when using the work equipment (SG No. 88/1999);

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

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