**ORDER**

**No. A 418**

**Sofia, 22.07.2021**

**INSPECTION BODY OF TYPE A**

**at FACTOR-EL LTD, Sofia**

**Management and оffice address**:

1618 Sofia, Vitosha district, Buxton neighbourhood, 10 Vihren Str., Office 3.1

**To perform inspection of:**

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| --- | --- | --- | --- | --- | --- |
| **Scope type:** *Flexible\** | | | | | |
| **№** | **Field of Inspection** | **Type** **of Inspection** | **Parameter of Inspection / Characteristic** | **Test and Measurement Methods Used During Inspection** | **Ordinances, Standards, Specifications, Schemes** |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1. | Electrical installations, machines, facilities and apparatuses up to 1000 V | Of sites / facilities new and/or  in operation | Insulation resistance | БДС 1986, item 3.3.  a), b), e) and f)  ПК 701-01 | Ordinance No. 3  (SG issue 90/2004  and 91/2004)  Ordinance No. 16-116  of 08.02.2008  (SG issue 26/2008)  TS |
| 2. | Electrical installations and facilities up to and above 1000 V | Of sites / facilities new and/or  in operation | Resistance of protective earthing installation | ПК 701-02 | Ordinance No. 3  (SG issue 90/2004 and 91/2004)  Ordinance No. 16-116  of 08.02.2008  (SG issue 26/2008  TS |
| 3. | Electrical installations and facilities up to and above 1000 V | Of sites / facilities new and/or  in operation | Resistance of lightning protection earthing installation | ПК 701-02-1 | Ordinance No. 16-116  of 08.02.2008  (SG issue 26/2008)  Ordinance No. 4  (SG issue 6/2011) |
| 4. | Electrical installations and facilities up to and above 1000 V | Of sites / facilities new and/or  in operation | Impedance of the “phase-protective conductor” loop | ПК 701-03 | Ordinance No. 3  (SG issue 90/2004  and 91/2004)  Ordinance No. 16-116  of 08.02.2008  (SG issue 26/2008)  TS |
| 5. | Electrical installations and facilities up to and above 1000 V – Protective circuit-breakers | Of sites / facilities new and/or  in operation | Opening time;  Trip current;  Touch voltage;  Resistance of protective earthing device | ПК 701-04 | Ordinance No. 3  (SG issue 90/2004  and 91/2004)  Ordinance No. 16-116  of 08.02.2008  (SG issue 26/2008)  TS |
| 6. | Artificial lighting in work and living environment | Of sites new and/or  in operation | Illuminance | Methodical instruction for measurement of artificial lighting in buildings 40-85, Standardization Publishing House 85  ПК 701-05 | Ordinance No. 49  (SG issue 7/1976)  Ordinance No. 2  (SG issue 15/2007)  Ordinance No. 3  (SG, issue 15/2007)  Ordinance No. 9  (SG issue 46/1994)  Ordinance No. 24  (SG issue 95/2003)  Ordinance No. 26  (SG issue 103/2008)  БДС EN 12464-1  TS |
| 7. | Noise in work environment | Of sites new and/or  in operation | Daily noise exposure level;  Average weekly noise exposure level;  Peak sound-pressure level;  Noise level;  Equivalent noise level | БДС EN ISO 9612 (БДС ISO 1999)  БДС 15471  ПК 701-09 | Ordinance No. 6  (SG issue 70/2005)  Ordinance No. 7  (SG issue 88/1999)  Ordinance No. 9  (SG issue 46/1994)  Ordinance No. 26  (SG issue 103/2008)  TS |
| 8. | Noise in various territories and planning areas in urbanized territories and outside them | Of sites new and/or  in operation | Noise level;  Equivalent noise level | БДС 15471  ПК 701-09 | Ordinance No. 6  (SG issue 58/2006, App. 2, Table 2)  TS |
| 9. | Noise in rooms of residential and public buildings | Of sites new and/or  in operation | Noise level;  Equivalent noise level | БДС 15471  ПК 701-09 | Ordinance No. 6  (SG issue 58/2006,  App. 2, Table 1)  Ordinance No. 9  (SG issue 46/1994)  Ordinance No. 24  (SG issue 95/2003)  Ordinance No. 2  (SG issue 15/2007)  Ordinance No. 26  (SG issue 103/2008)  TS |
| 10. | Microclimate in work and living environment | Of sites new and/or  in operation | Air temperature;  Relative air humidity;  Air movement speed | БДС 16686  Ordinance No.  RD-07- 3, SG,  issue 63 / 2014  ПК 701-06 | Ordinance No. 2  (SG issue 15/2007)  Ordinance No. 3  (SG issue 15/2007)  Ordinance No. 9  (SG issue 46/1994)  Ordinance No. 24  (SG issue 95/2003)  Ordinance No. 26  (SG issue 103/2008)  Ordinance No. RD-07-3 (SG, issue 63 / 2014)  БДС 14776  TS |
| 11. | Air-conditioning installations | Of sites / facilities new and/or  in operation | Air temperature;  Relative air humidity | БДС 16686  Ordinance No.  RD-07- 3, SG,  issue 63 /2014  ПК 701-07 | Ordinance No. 15  (SG issue 68/2005)  Ordinance No. RD-07-3 (SG issue 63 / 2014)  БДС 14776  TS |
| 12. | Ventilation installations | Of sites / facilities new and/or  in operation | Air flow speed;  Air flow | БДС 12.3.018  ПК 701-08 | Ordinance No. 15  (SG issue 68/2005)  TS |

*\* Introduction of new versions of standards/documents or superseding standards/documents is allowed. An updated list of standards/documents with their dated versions is maintained by the Conformity Assessment Body.*

Ordinance No. 3 SG (issue 90 and issue 91/2004) – on the structure of electrical installations and power transmission lines;

Ordinance No. 16-116 (SG, issue 26/2008) on power equipment operation;

Ordinance No. 4 (SG issue 6/18th January 2011) on lightning protection of buildings, external facilities and open spaces;

Ordinance No. 49 (SG issue 7/1976 amend. SG. issue 64 of 10th August 1976) – on artificial lighting of buildings;

Ordinance No. 2 (SG. issue 15/2007) on health requirements to computers and internet rooms for public use;

Ordinance No. 3 (SG issue 15/2007) – Ordinance on health requirements to kindergartens;

Ordinance No. 9 (SG issue 46/1994)on health and sanitary requirements during use of personal computers in training and extra-curricular activities of pupils;

Ordinance No. 24 on sanitary requirements to discotheques (SG. issue 95/2003);

Ordinance No. 26 (SG. issue 103/2008) on structure and activities of crèche and baby food kitchens and health requirements to them;

Ordinance No. 6 (SG issue 70/2005) – Ordinance on minimum requirements for securement of health and safety of workers in risks related to noise exposure;

Ordinance No. 7 (SG issue 88/1999) – Ordinance on minimum requirements for health and safety at work at workplaces and during use of working equipment;

Ordinance No. 6 (SG issue 58/2006) – Ordinance on indicators of noise in the environment, which take into account the degree of discomfort during different parts of the day, limit values of indicators of noise in the environment, methods for assessment of values of noise indicators and harmful effects of noise on population health;

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

Ordinance No. 15 (SG issue 68/2005) – Ordinance No. 15 of 28th July 2005 on technical rules and norms for design, construction and operation of sites and facilities for generation, transmission and distribution of thermal energy;

TS – Technical Specification.