**ORDER**

**No. A 358**

**Sofia, 30.09.2024**

Pursuant of Art. 10, para. 1, item 4, Art. 28, para. 1 of the Law on National Accreditation of Conformity Assessment bodies and item 4.3.7 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure of accreditation with reg. № 324/51 OKС/ПА/21.12.2023, evaluation report № 324/51 OKС/ПА/8/B/04.04.2024; Section G-2 ref. № 324/51 ОКС/ПА/11/В/20.04.2024 and statement of the Accreditation Commission № 324/51 OKС/ПА/12/B/16.09.2024, I hereby

**RE-ACCREDIT**

**INSPECTION BODY OF TYPE C**

**at “ETRA-EL” ,Veliko Tarnovo**

**Management and office address:** 5000, Veliko Tarnovo 3, Magistralna Str.

**To perform inspection of:**

|  |
| --- |
| **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 |
|  1. | Electrical facilities and equipment up to and above 1000 V | New and operational sites and facilities | Insulation resistance | Norms for testing electrical machines and equipment (НИЕМС)-1995 ПК-1 | Ordinance No. 16-116, (SG iss. 26/2008);Ordinance No. 3, (SG iss. 90, 91/2004);TС |
| Resistance of lightning protection grounding systems | ПК-2 | Ordinance No. 16-116, (SG iss. 26/2008);Ordinance No. 3, (SG iss. 90, 91/2004);TС |
| Impulse resistance of lightning protection grounding systems | ПК-2 | Ordinance No. 4, (SG iss. 6/2011);TС |
|  2. | Electrical facilities and equipment above 1000 V- Cable lines of up to 20kV | New and/or operational sites/ facilities | Elevated DC voltage test | НИЕМС- 1995 ПК-5 | Ordinance No. 16-116, (SG iss. 26/2008);Ordinance No. 3, (SG iss. 90, 91/2004);NIEMS-1995 CPTС |
|  3. | Electrical facilities and equipment above 1000 V- Power transformers of up to 35 kV | New and/or operational sites and facilities | Insulation resistance  | НИЕМС- 1995 ПК-6 | НИЕМС- 1995 Ordinance No. 16-116, SG iss. 26/2008; |
| Resistance of the coils | БДС 15320 ПК-6 | Ordinance No. 3, (SG iss. 90, 91/2004)Ordinance No. 16-116, (SG iss. 26/2008);TС |
|  |  |  | Transformation factor | БДС 15320 ПК-6 | Ordinance No. 3, (SG iss. 90, 91/2004),Ordinance No. 16-116, (SG iss. 26/2008);TС |
|  4. | Electrical facilities and equipment up above 1000 V-Current measuring transformers up to 35 kV | New and/or operational sites/ facilities  | Insulation resistance | НИЕМС- 1995 ПК-6 | Ordinance No. 3, (SG iss. 90, 91/2004);NIEMS-1995TС |
| Resistance of the coils | БДС 15320  | Ordinance No. 3, (SG iss. 90, 91/2004),НИЕМС- 1995 TС |
| Transformation factor  | БДС 15320 ПК-6 | НИЕМС- 1995 TС |
| Volt-ampere characteristic | НИЕМС- 1995 ПК-6 | Ordinance No. 3, (SG iss. 90, 91/2004),TС |
|  5. | Electrical devices and equipment over 1000 V- Voltage measuring transformers up to 35kV  | New and/or operational sites/ facilities | Insulation resistance  | НИЕМС- 1995 ПК-6 | Ordinance No. 3, (SG iss. 90, 91/2004);NIEMS-1995TС |
| Resistance of the coils | БДС 15320 ПК-6 | Ordinance No. 3, (SG iss. 90, 91/2004);NIEMS-1995TС |
| Transformation factor | БДС 15320 ПК-6 | НИЕМС- 1995 TС |
|  6. | Electrical installations and equipment of up to 1000V | New and/or operational sites/facilities | Impedance of the loop “phase-protective conductor” | ПК-3 | Ordinance No. 16-116, (SG iss. 26/2008);Ordinance No. 3, (SG iss. 90, 91/2004),TС |
| Circuit breakers:Contact voltage;Shutdown time | ПК-4 | Ordinance No. 16-116, (SG iss. 26/2008);Ordinance No. 3, (SG iss. 90, 91/2004),TС |
|  |
|  7.  | Electrical installations and equipment of up to 400kV | New and/or operational sites/facilities | Transient resistance of a contact system | НИЕМС- 1995 ПК-7 | НИЕМС- 1995 TС |
|  |  |  | Transient resistance of connections | НИЕМС- 1995 ПК-7 | Ordinance No. 16-116, (SG iss. 26/2008);Ordinance No. 3, (SG iss. 90, 91/2004),TС |
|  8. | Artificial lighting in working and domestic environments | New and/or operational sites/ facilities | Illuminance | Methodological guidelines for the measurement and assessment of artificial lighting in buildings 40-85, Standardizatsia Publishing House, 1985.ПК-8 version 1 of 11.09.2019 | Ordinance No.49, SG iss. 7/1976Ordinance No. 9,SG iss. 46/1994;Ordinance No. 24, SG iss. 95/2003;Ordinance No. 2,SG iss. 15/2007;Ordinance No. 3,SG iss. 15/2007Ordinance No. 26, SG iss. 103/2008 БДС EN 12464-1 TС |
|  9. | Microclimate in working and living environments | New and/or operational sites/ facilities | Air temperature,Air velocity,Relative air humidity | Ordinance No. RD-07-3, SG iss. 63/2014 БДС 16686 ПК-9 | Ordinance No. 9,SG iss. 46/1994;Ordinance No. 24, SG iss. 95/2003;Ordinance No. 2,SG iss. 15/2007;Ordinance No. 3,SG iss. 15/2007Ordinance No. 26,SG iss. 103/2008Ordinance No. RD-07-3, SG iss. 63/2014 БДС 14776TС |

\* *Introduction of а new version of standards/documents or standards/documents replacing them is allowed. An up-to-date list of standards/documents with their dated versions shall be provided by the CAB.*

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

Ordinance No. 3 on the structure of electrical installations and current-carrying lines (SG iss. 90 and 91/2004)

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

НИЕМС- 1995 -Measurement standards for elecrtrical machines and equipment

Ordinance No. RD-07-3 on the minimum requirements for the microclimate of workplaces (SG iss. 63/10.08.2014)

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

Ordinance No. 2 on health requirements for computer and internet rooms for public use (SG iss. 15/2007)

Ordinance No. 24 on 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 iss. 46/1994)

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

Ordinance No. 26 on the structure and operation of nurseries and children's kitchens and the health requirements for them (SG iss. 103/2008)

Methodological guidelines for measurement and assessment of artificial lighting in buildings 40-85, ed. Standardizatsia Publishing House, 1985

TС-Technical Specification.

**I ORDER**

To issue the Certificate of Accreditation reg. No 51 ОКС of 30.09.2024, valid until 30.09.2028, and this order enclosed as an integral part thereof.

The certificate of accreditation with the enclosure should be obtained from the Manager of ETRA-EL Ltd., Veliko Tarnovo Head of the Type C Control Authority at ETRA-EL , Veliko Tarnovo or other authorized person in the building of EA BAS.

Upon receipt of the issued certificate of accreditation and application, the accredited person is obliged to return to BAS EA the originals of the certificate of accreditation Reg. No. 51 ОКС/ 30.09.2020 and annex-order No. A 584 of 30.09.2020.

This Order shall be notified to legal entity within 3 (three) days from its issuance.

**Eng. Irena Borislavova**

*Executive Director of EA BAS*

Съгласувал……………………………., Р.Кръстанов, Началник отдел, АОСОК при ИА БСА

Изготвил:…………………02.01.2025г., Л. Анастасова, гл.инспектор, отдел АОСОК при ИА БСА