Rafail Kaznadiy

R.O. Timchenko, PhD, prof., research supervisor D.A. Krishko, PhD, senior teacher, research supervisor L. V. Kadol, PhD, assoc. prof., research supervisor O.H. Likhosherst, teacher, language adviser SIHE "Kryvyi Rih National University"

CONSTRUCTION METHODS TO ENSURE SEISMIC STABILITY OF BUILDINGS

With the spread of earthproof solutions their improvement and cost reduction more and more new building project use energy sink technologies. The choice of a earthproof system is primarily an economic aspect, despite the fact that each of them behaves differently with different design solutions buildings and, most importantly, on different types of soils.

The problem of seismic resistance should be considered in conjunction with the basis on which the building stands, because the foundation is a source of seismic activity.

The solution is to use designs which are unpretentious to the soil type together with means energy sink basics of seismic effects on the foundation of the building, thus preserving the integrity of the building and using the natural composition of the soil.

One example is the spatial foundation platform (SFP) installed on a moving layer located between the SFP and soil. When using this system seismic wave passes plate that dissipates its power and changes its direction. Thus building is not separated from the base, but the ground which apply seismic wave.

The spatial form of SFP allows you to distribute the load of the building on weak soil, thus allowing the use of low bearing capacity soils weak despite the local

Subsidence eliminating the need for piles.

Considering that the type of basement affects seismic resistance of the upper part of the building, this platform will not only provide connection rigidity a the top of the building from the foundation, but also strengthen the soil, for example, using the "wall in the ground" connected to the platform. Optional platform cumbersome to be done, just to consolidate its multiple layers of related cross ribs. Use of the space foundation platform will improve stability on weak soils and seismic load.

References

1. Timchenko R.A. Normy proektyrovanyya y ekspluatatsyonnye faktory vysotnykh zdanyy i sooruzhenyy [Design standards and operational factors of high buildings and structures] / R.A. Timchenko, D.A. Krishko, O.S. Mokshina // Materialy Mizhnarodnoyi nauk.-prakt. konf. "Problemy budivnytstva v svitli yevrointehratsiyi" (22-24 lystopada 2007 r.) – Kryvyi Rih: Kryvoriz'kyy tekhnichnyy universytet, 2007. – pp. 49-52.

2. Pat. 93128 Ukraina, MPK (2014) E 04 N 9/02. Seysmostiykyy karkas malopoverkhovoyi budivli [Earthquake proof frame] 93128 Ukraina, MPK (2014) E 04 N 9/02. Timchenko R.O., Popov S.O., Krishko D.A., Bohatyns'kyy A.V., Kravchenko M.O. (Ukraina). – Nº u 2014; Zayavl. 10.02.2014; opubl. 25.09.2014, Byul. Nº 18. – 6 p.

3. Abovskiy N.P. Konstruktyvnaya seysmobezopasnosť zdanyy y sooruzhenyy v slozh-nыkh hruntovukh uslovyyakh [The structural seismic safety of buildings and structures] / N.P. Abovskiy// – Krasnoyarsk: Sybyrskyy federal'nyy un-t, 2009. – 186 p.

Pavlo Kislov L.V. Kruhlenko, language adviser SIHE "Kryvyi Rih National University"

IMPORTANCE OF FOREIGN LANGUAGES FOR FUTURE CAREER OF IT SPECIALISTS

Nowadays everybody realizes the necessity and importance of learning foreign languages. It cannot be overstated in an increasingly interconnected and globalized world. Learning to communicate in English is important to enter and ultimately succeed in mainstream English speaking countries. Studying the English language can create many opportunities in international markets and regions, especially when we are talking about IT specialists. English is the fourth most widely spoken native language in the world, and in terms of a sheer number of speakers, it is the most spoken official language in the world. It is the primary language used in international affairs. The English language has an official status even in nations where it is not the primary spoken language. English is indisputably the primary language of global trade and commerce.