



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТИҢ  
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО  
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR  
ACCREDITATION AND RATING

# REPORT

about the results of the work of the external expert commission for evaluation for compliance with the requirements of institutional accreditation standards The SPE "Khromtau Mining and Technical College" from "06" to "09" June 2018

Khromtau 2018

**INDEPENDENT AGENCY OF ACCREDITATION AND RATING**  
*External expert commission*

*Addressed to  
Accreditation  
advice of the IAAR*



Независимое агентство  
аккредитации и рейтинга

**REPORT**

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**"09" June 2018**

## **(I) LIST OF SYMBOLS AND ABBREVIATIONS**

- **MES RK - Ministry of Education and Science of the Republic of Kazakhstan;**
- **TVE - technical and vocational education;**
- **PI- a private institution;**
- **PTC KC - Polytechnical College of Kazakhmys Corporation;**
- **RK - Republic of Kazakhstan;**
- **RSMC- a republican scientific and methodological center;**
- **PC - Pedagogical Council;**
- **MC-methodical council;**
- **SEW - deputy director for scientific and educational work;**
- **PED - Deputy Director for Practice, Employment and Dual Training;**
- **EW- deputy director for educational work;**
- **KAS- knowledge, ability, skills;**
- **KTP - calendar-thematic plan;**
- **ALPP&AQ - assessment of the level of professional preparedness and appropriation of qualifications;**
- **OP - educational program;**
- **SCC - subject-cycle commission;**
- **SYT - School for Young Teachers;**
- **WEP - working educational plan;**
- **EMC - Educational-methodical complex;**
- **MM - the mass media;**
- **IWS - independent work of students;**
- **ST - safety technology;**
- **TMT - technical means of teaching;**

## **(II) INTRODUCTION (1-2 pages)**

➤ The external expert commission visited the SCC "Khromtau Mining and Technical College" on the grounds of IAAR order No. 68-18-OD of 23.05.2018 on the creation and directions of the EEC, according to the procedure for accreditation in accordance with the standards and guidelines of the IAAR approved in 2015 according to which an external evaluation is made for compliance with the standards of institutional accreditation.

➤ The following experts from IAAR were included in the EEC:

1. Chairman of the Commission - Salimgreeva Gulnar Khamitovna, she is a deputy Director for educational work of "College of Agribusiness" Chaglinka of the Zerendinsky district "(Akmola region);

2. Foreign expert - Sosnin Vyacheslav Viktorovich, he is a Director of the center "Soyuz" (Omsk, Russian Federation);

3. Expert - Kharsky Evgeny Sergeevich, he is a deputy Director for educational and methodical work of the State Enterprise "Ridder Agrarian Technical College" (Ridder);

4. Expert - Musina Gaukhar Kafarovna, she is the teacher of special. disciplines "North Kazakhstan Vocational and Pedagogical College" (Petropavlovsk);

5. Expert - Syzdykova Aigul Shayakhmetovna, she is a director of Polytechnic College of Corporation "Kazakhmys" (Balkhash town);

6. Expert - Abdayev Marat Abdilkasimovich, he is a deputy director for training and production work of the "Zhitikarinsky Polytechnic College" (Zhitikara);

7. Expert - Perezhnyak Elena Yuryevna, she is the head of the mining department of KGBE "Ekibastuz Polytechnic College" (Ekibastuz);

8. Expert - Ivanova Natalia Ivanovna, she is the teacher of special. disciplines of "Rudnenskiy Social and Humanitarian College named after I. Altynsarin" (Rudny);

9. An observer from the Agency - Dinara Bekenova, she is the head of the project on the accreditation of organizations of the T&VE IAAR (Astana);

10. The employer - Bystrova Olga Vasilievna – she is the head of bureau №2 on work with personnel of Human Resources Management of Don mining and processing plant of the Branch of Kazkhrom JSC (Khromtau);

11. Student-Mukhtarov Begzat Amantayuly, he is a 2nd year student on specialty 1201000 "Maintenance, repair and operation of motor transport" from Aktobe Polytechnic College (Aktobe)

## **REPRESENTATIVE OFFICE OF EDUCATION ORGANIZATION (1-3 pages)**

➤ The SCC "Khromtau Mining and Technical College" was registered by the Justice Department of the Khromtau district of the Justice Department of the Aktobe region on September 4, 2012. It provides services in the field of technical and vocational education, training specialists on the basis of 9 and 11 classes. After graduation, the graduate is given a state diploma.

➤ Legal address: Republic of Kazakhstan, 031100 Aktyubinsk region, Khromtau, E. Batyr str. 9. tel. 8 (71336) 21046

➤ e-mail-khromtau\_hgtk@mail.ru

➤ college website: <http://hromtau-hgtk.kz>

➤ The educational institution has been involved in educational activities since 1979.

➤ The first graduation was held in 1983.

➤ GPTU-105, PTU-9, ПИИ-4, ПЛ-4, ХГТК - all these are milestones in the creation, formation, development and raising of the professional educational institution in Khromtau, Aktobe region.

The college works on the basis of state licenses No. 12016326 of November 15, 2012 and attachments to it and prepares training in the following specialties: 0705000 Underground mining of mineral deposits; 0706000 "Open development of mineral deposits"; 0709000 "Enrichment of minerals (ore enrichment)"; 0712000 "Construction of underground structures"; 1201000 "Maintenance, repair and operation of motor transport"; 0508000 "Catering organization"; 0518000 "Accounting and audit (according to branches)"; 1114000 "Welding".

Educational and upbringing work is conducted by a highly qualified teaching staff, which includes experienced teachers who pay great attention to improving the forms and methods of teaching, the upbringing of the younger generation. Teaching staff as of 01.01.2018. - 72 people, including 60 full-time teachers and masters of industrial training (83.5%) and 12 part-time employees in the college. Of the total number of teachers and masters of industrial training, 25 people have the highest qualification category (34.7%), the first - 10 people (13.8%), the second - 22 people. (30.5%), without a category - 15 people. (20.8%), masters - 3 people, candidate of pedagogical sciences - 1. It was shown that at present 8 teachers are training in magistracies in the field of study. Structural units that provide a high-quality organization of educational and administrative work are listed in the staff list approved by the Regional Department of Education.

Admission of students is carried out under the state educational order and on a contractual basis with full reimbursement of training costs.

The training is conducted in Russian and the state languages in full-time, part-time forms of training, using the dual system of training, and also in the framework of the experiment on the modular-competence approach.

There are four departments in the educational institution: "Mining" department; department of "Electrical Engineering and Power Supply"; department of "Enrichment and new technologies" and correspondence department. There are five cycle methodical commissions in the college.

**DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE (1-2 pages)**

Independent accreditation is held in the College for the first time.

**DESCRIPTION OF THE VISIT OF THE EEC (1-2 pages)**

The work of the EEC was carried out on the basis of the visit Program of the expert Commission on institutional and specialized accreditation of educational programs in the state enterprise "Khromtau mining and technical College", in the period from 06 to 09 June 2018..

To obtain objective information about the quality of educational programs and the entire infrastructure of the college, clarifying the content of self-assessment reports, meetings were held: with the director, deputy. director for SD, deputy. Director for BP, Deputy. Director for the Department of Human Rights, deputy. Director for NMR, Deputy. director for AHCH, head. the training part, the senior master, the head of the departments, the chairmen of the CMC, the manager of the state. procurement, head of the personnel department, methodologist, chief accountant, accountants, human resources inspector, librarians, teacher-psychologist, social pedagogue, responsible secretary of the admission committee, teacher-organizer, teachers, staff, students, alumni, employers and parents of students. In total, 222 people took part in the meetings.

Table 1. Information about employees and students who took part in the meetings:

Category of participants	Amount
Director	1
Deputy Directors	4
Chairmen of the cycle commissions	4
Heads of departments	4
Chief Accountant	1
Head of Human Resources Department	1
Teachers	35
Librarian	1
Students	45
Graduates	35
Social partners	22
Parents of students	57
Total	222

Members of the EEC visited the bases of practices of the Don mining and processing enterprise. Introductory instruction on TB was conducted by the lead engineer for TB Sultanova RB. When visiting the Molodezhnaya mine, a meeting took place with the director A.T. Suyontayev. Head of the section of tunneling and treatment works No.1 Ermakov VS in the class of technical training presented to the members of the VEC "Schedule of dual training" for 2nd year students of group 201 of specialty 0705000 "Underground mining of mineral deposits". The main power engineer of Molodezhnaya mine, Dalmagambetov A. In repair and mechanical workshops held a lesson for students of the 201 group of specialty 070500 "Underground mining of mineral deposits" on the topic: "Replacement of brake bands of winch LZ-55." At the ore dressing and pelletizing plant, on the site of crushing, the master of the site is Selenova S. C held an activity on the topic: "Acquaintance with transport installations at the site of crushing." According to the training schedule for production training at the crushing and dressing factory, Deputy Chief Engineer Berdak AA, the group 203 specializing in 0709000 "Mineral processing (ore enrichment)" was conducted, who noted that this training system makes it possible to recruit adapted and qualified specialists.

The management of the company also participates as a qualification commission for final qualifying examinations.

During the visit to the repair shop No. 2, a conversation was held with the repair master Apetov K.P., who is the tutor of the training group 303 Tyshana A.N., specializing in Welding. Analysis based on the results of the conversation showed that the student Tyschen A.N. is satisfied with the process of passing the production practice, and the master of the quality of the performance of electrogas.

When visiting the canteen of the enrichment plant and piling up the ponds, the experts got acquainted with the material and technical base of the facility, visited the "Ali-Zhas and K" LLP, the workplaces where the 2nd-year students of group 205 Aimagambet Denmark, Zhumabaeva Ulbolsyn, Azimova Aruzhan are being trained from 02.04.2018 -24.06.2018. Members of the VEC met with Ms Kiseleva Ludmila Vitalievna, also visited the Molodezhnaya Mine canteen, where the students of the 2nd course of group 205 - Zhumabaeva Raziya, Yerzhan Zhuldyz, Kangerei Lyaziza, pass the production practice from 02.04.2018-24.06.2018, the tutor of which is the production manager Alimambetova Zhanylay Zholbatyrovna ). The head of the given professional technological practice is the teacher Satmuhanbetova AB. There are 3-sided contracts for the conduct of professional practice, dated August 27, 2017.

The practice bases of the college under the accredited program of specialty 0101000 "Preschool education and training" were visited: SPO No. 1 "Kinshuak", SPO No. 3 "Ayglek", SPO No. 5 "Akьbota", SPO No.6 "Akьoershin". At the time of visits to the practice bases, social

partners conducted an introductory conversation about the activities of pre-school organizations, and the quality of the production practice.

During the passage of the practice, each student together with educators developed and conducted classes, walks, playing activities of preschool children in accordance with the specifics of the organization of the educational process in the summer.

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For example, in DDO No. 3, a meeting was held with the head of the kindergarten Zholimova R.O. And trainee-trainees - A. Kuvaldykova, N. Mukaeva, N. Aushuova. during which they explained the order of passing the training and production practices, as well as talked about the activities of the organization and the role of the college in the development of pre-school organization, and singled out the students of group 306 Moldybaeva Zhuldyz, Oblobay Aydu, Kairatkyzy Diana specialty 0101000 "Preschool education and training" as the most active and competent in the quality of basic knowledge of special disciplines. Educators of preschool institutions demonstrated the implementation of innovative technology in the Montessori system.

Also, the WEC experts visited DDO No. 6, the following college graduates are employed in this d / garden: Kosaeva S. and Kydyrali L. - graduates of 2017, who work as tutors in the kindergarten.

EEC members attended training sessions on accredited educational programs. In more detail, classes visited are described in the reports on clusters.

The analysis of attendance attests to a good quality teaching staff, a sufficient theoretical level of education. In the classroom, teachers use modern teaching technologies. Systematically improve the qualification. The analysis of the teaching staff of the college testifies to the team's desire to improve the qualitative development of the college.

All conditions were created for the work of the EEC, access to all necessary information resources was organized.

As part of the planned program, the main recommendations for improving the activities of the college, developed by the EEC on the results of the examination, were presented at the final meeting with the leadership of the college.



### **(III) CONFORMITY TO THE STANDARDS OF INSTITUTIONAL ACCREDITATION (20-40 pages)**

#### **6.1. Standard "Vision, Mission and Strategy"**

- The organization of technical and vocational education demonstrates the development of a mission, vision and strategy based on an analysis of the real positioning of the organization of education and their focus on meeting the needs of the state, stakeholders and students

- The organization of technical and vocational education should demonstrate the individuality and uniqueness of the mission and strategy

- The organization of technical and vocational education should ensure the adequacy of the mission, vision, strategy of the available resources (including financial, information, personnel, material and technical base), labor market needs and educational policy of the Republic of Kazakhstan

- The organization of technical and vocational education should involve representatives of stakeholder groups, including trainees, teachers and employers, in the formation of a mission, vision, strategy

- The organization of technical and vocational education demonstrates the transparency of the processes of forming a mission, vision, strategy

- The organization of technical and vocational education ensures the awareness of stakeholders about the content of the mission and the strategy and the processes of their formation

- The organization of technical and vocational education should determine the mechanisms for the formation and regular revision of the mission, vision, strategy and monitoring of their implementation

- Vision, mission and strategies must be consistent.

- The organization of technical and vocational education carries out strategic, tactical and operational planning and resource allocation processes in accordance with vision and mission

- The organization of technical and vocational education systematically collects, accumulates and analyzes information on its activities and conducts self-evaluation in all areas, based on the development and implementation of measurement processes, analysis to assess the success of the implementation of the TVE strategy through indicators such as "performance" and "efficiency"

- Based on the strategy for the organization of technical and vocational education, it should develop specific documents on specific areas of activity and processes

The Evidence

The implementation of accredited educational programs is carried out in accordance with the Strategic Plan of the College for 2018-2025.

Mission: Preparation of competitive specialists for mining and mono-city in the conditions of modernization of the content of technical and vocational education, oriented to the industrial and innovative development of the country, brought up in the spirit of moral values.

Vision: SSE "Khromtau Mining and Technical College" - Khromtau Mining and Technical College strives to become the best and most innovative technical college in the Republic of Kazakhstan by 2025.

The mission, goals and objectives of the college correspond to the available resources, organizational capabilities and labor market requirements. The college is headed by the director, candidate of pedagogical sciences, lawyer-economist, Corresponding Member of the International Academy of Informatization Muldasheva Bagdashzhan Kadyrzhanovna. Muldasheva B.K. was awarded with the Certificate of Merit of the Ministry of Education and Science of the Republic of Kazakhstan, the medal of Y. Altynsarin, the medal "Yeren engbegi ushin", the winner of the regional competition "The Best Manager of Education", has the title of "Honorary Professor of Pedagogy" of the European Higher School of Modern Sciences, which guides the team, mission and strategic plan for the development of the college, to fulfill the set goals.

The development of strategic documents was preceded by the stage of analyzing the real positioning of the college in the market of educational services, the forecast for the development of the market of educational services.

➤ Experts were convinced of the consistency of the strategic goals of the college, the adequacy of the mission, vision, strategy of the available resources: financial, information, personnel and material and technical base.

➤ The long-term objectives of the SSE "Khromtau Horticultural and Technical College" are indicated in the Strategic Plan of the College for 2018-2025:

➤ Increasing the accessibility of quality education that meets the requirements of innovative development of the region's economy;

➤ Providing conditions for the qualitative implementation of the college's educational programs implemented under the license;

➤ Application of innovative educational technologies;

➤ Increase in the qualitative composition of the pedagogical team of teachers; 5.

Expansion and modernization of the college infrastructure;

➤ Creation of optimal psychological and pedagogical conditions for the formation of the student's personality.

An anonymous questionnaire survey conducted by teachers during the visit of the NAEC HEC showed that the involvement of teachers in the process of making managerial and strategic decisions is "very good" and "good".

The overwhelming majority of teachers believe that the college's commission and strategy are successfully reflected in the curricula and evaluation procedures (a combined average of 98.8%), and 100% of teachers said that they can successfully use their own strategies in the learning process.

Student questioning, conducted during the visit of the NAEC VEK, showed that

- the level of accessibility and responsiveness of the college management is estimated as high - 92.7%;

- accessibility for counseling on personal problems is estimated as high - 81.8%.

At the same time, 94.5% of the students surveyed are fully satisfied with the overall quality of the curricula and the methods of teaching in general.

87.3% of the students who completed the questionnaire were satisfied with the level of implementation of these rules and strategies.

#### Analytical part

The objectives of the educational programs and all activities of the college are determined in accordance with the mission and vision of the college. The priorities of the Khromtau Mining and Technical College are determined by the desire for sustainable development of the educational institution, awareness of the responsibility for providing quality educational services to consumers, creating safe and healthy working conditions for teachers and staff and training for students.

The policy in the field of quality, occupational safety and health is an integral part of the overall strategy of the college, aimed at quality and timely delivery of educational services in accordance with regulations and requirements of customers.

#### Strengths / best practice

- The SSE "Khromtau Mining and Technical College" has developed a mission, vision and strategy based on the analysis of the real positioning of the educational institution.

- The mission, vision, strategy are aimed at meeting the needs of the state, all stakeholders and students;

- Mission, vision, strategy are individual and unique, adequate to available resources;

- The college involves representatives of stakeholder groups in the formation of a mission, vision, strategy.

- The process of forming a mission, vision, strategy is transparent.

- The college provides information to consumers of educational services about the content of the mission and the strategy and the processes of their formation.

EEC recommendations

- Define the mechanisms for the formation and regular revision of the mission, vision, strategy and monitoring of their implementation.

**EEK notes that the institutional profile of the college in this standard contains 8 strong and 3 - satisfactory positions.**

## **6.2. Standard "Governance and Management"**

- Management of a TVE organization should include:
  - management of activities through processes
  - Mechanisms for planning, development and continuous improvement
  - risk assessment and identification of ways to reduce these risks
  - monitoring, including the establishment of reporting processes
  - analysis of identified non-conformities, implementation of the developed corrective and preventive actions
  - analyzing the effectiveness of changes
  - evaluation of the effectiveness and effectiveness of the units and their interaction
- The organization of TVE should ensure that its structure of the development strategy of the TVE
  - The TVE organization should ensure that documents are available on the organizational structure and management of the TVE organization
    - The organization of TVE should document all the main business processes
    - The organization of the TVE should demonstrate a clear definition of those responsible for business processes, unambiguous assignment of staff duties, delineation of the functions of collegial bodies
  - The organization of TVE should ensure the availability of an information and feedback system
  - The organization of the TVE should establish the frequency, forms and methods for assessing the activities of collegial bodies and structural units, top management
  - The organization of TVE should ensure the management of the educational process through the management of individual educational programs

- The organization of TVE should demonstrate the successful functioning of the internal quality assurance system of the TVE organization
- An important factor is the availability of a certified quality management system and its continuous improvement
- An important factor is the availability of information systems and databases, the use of the Internet for information, the availability of a portal and / or the Internet site
- An important factor is the participation of representatives of stakeholders (employers, teachers, trainees) in the collegiate management bodies
- The organization of the TVE should demonstrate mechanisms for resolving conflicts of interests and relations, by accessing information on compliance / violations and the availability of a feedback system, consideration in the management bodies, effective activities of the disciplinary bodies and the motivational system
- The VET organization should provide a measure of the degree of satisfaction of the needs of teachers, staff and trainees and demonstrate evidence of the elimination of deficiencies found in the measurement process
- The organization of the TVE should demonstrate evidence of openness and accessibility of managers and administrators for students, teachers, parents (blogs on the organization's website, official hours for personal questions, e-mail, etc.).

➤ Evidence

In its activity, the State Educational Establishment "Khromtau Mining and Technical College" is guided by the Constitution of the Republic of Kazakhstan, the Civil Code of the Republic of Kazakhstan, the RK Law of 27.07.2007 "On Education", other normative legal acts and the Charter of the College.

The management system in the college is focused on the participants in the educational process: students, their parents, teachers, employees and is aimed at providing the educational process, is an interconnected chain that allows you to make decisions promptly and receive information about their performance.

The main processes of the college are: the educational process (including further training and retraining of specialists on applications from employers and government agencies); process of practical vocational training (including employment and communication with graduates); development and realization of the potential of youth in the interests of the country. The remaining processes are auxiliary, providing management, monitoring, logistical and information support, etc.

➤ The organizational structure management system is reflected in the College's Charter, in the provision on pedagogical and methodological councils, as well as in the regulations on the activities of structural units.

The college as an educational organization has a management system that contributes to the achievement of its mission, goals and objectives. The management system consists of a vertical management structure, beginning with the director and ending with the instructors. At each level, employees performing official duties have relevant competencies. Leaders, possess organizational, communication and management competences, which are necessary to achieve the quality of education.

The EEC team considers it expedient to clearly define responsibility in the structure of the college and in job descriptions. For each direction of work, consolidate the heads of departments, deputy directors for educational, scientific-methodical, educational, production, educational work, chairmen of the CMC.

Teachers have professional competencies, work with information (collection, accumulation, analysis, conflict resolution, etc.).

In the college there is a system of certification of teachers, which is conducted to improve the quality of the teacher and improve the status of the college.

The activity of the college is inextricably linked with the external environment and specificity of the Aktyubinsk region.

To provide informatization of the educational process in the college there are 183 personal computers, 399 laptops, there are 6 computer classes, 28 offices with equipped teacher's workstations, and 18 offices have interactive whiteboards. All structural units, administration, cabinets are integrated into a local network, access to the Internet with a data rate of 8 mbps is provided.

Forms of collegial management of the college, based on publicity and collegiality, are the pedagogical council, the methodological council.

Based on the results of the anonymous questionnaire within the framework of the WEC work, the questionnaire of the teaching staff showed that the level of feedback of the IRP with the management is estimated as high - 100%.

### **Analytical part**

The management system in the college is focused on the participants in the educational process: students, their parents, teachers, employees and is aimed at providing the educational process, is an interconnected chain that allows you to make decisions promptly and receive information about their performance.

The college introduced a rating system for assessing the quality of educational services provided, resulting in material and moral encouragement. The development of the process of measuring, monitoring and improving the most important results of activities on the basis of management analysis is provided.

#### **Strengths / best practice**

- The SSE "Khromtau Mining and Technical College" ensures the correspondence of its structure to the development strategy of the TVE organization;
- The college has documents on the organizational structure and management of the organization;
- The college established the frequency, forms and methods of assessing the activities of collegial bodies and structural units, top management.
- The composition of collegiate management bodies ensures the participation of representatives of stakeholders;
- College provides openness and accessibility of managers and administration for students, teachers, parents.

#### **EEC recommendations**

- The Human Resources Division must develop the Regulations, and the management should take measures to create a personnel reserve and the conditions for staff growth.
- Develop and implement a procedure for internal quality management system (monitoring and evaluation of the quality of the activities of collegial bodies of structural units, employees, teachers, administrative and managerial staff of the college;
- Develop a risk assessment system and identify ways to reduce these risks.
- EEC notes that the institutional profile of the college in this standard contains 5 strong positions, 13 - satisfactory and 3 - suggests improvement.

#### **6.3. Standard "Educational programs"**

- The organization of TVE should provide evidence of the participation of the teaching staff and employers in the development and management of educational programs, ensuring their quality
- The organization of TVE should determine the content, scope, logic of studying the academic disciplines
- The organization of TVE should demonstrate the influence of disciplines on the formation of basic and professional competencies, skills and knowledge blocks
- The organization of TVE should demonstrate the logic of curriculum development and training programs

- The list and content of the disciplines should be accessible to the trainees. Disciplines should exhaustively cover all pressing issues

- The structure of the educational program should provide for various types of activities, the content of which should contribute to the development of the professional competencies of students taking into account their personal characteristics

- The organization of TVE should ensure equal opportunities for students, including regardless of the language of instruction

- An important factor is the renewability of educational programs aimed at developing professional skills, taking into account the interests of employers

- Training equipment and software used to develop educational programs should be similar to those used in the relevant industries and meet the safety requirements for operation

- The organization of the TVE should demonstrate the effectiveness of a regular analysis of the sufficiency and modernity of the available resource education programs

- To implement educational programs, a TVE organization should involve practitioners and determine the proportion of the disciplines taught by them

- The organization of TVE should ensure the objectivity of the assessment of knowledge and the degree of formation of the basic and professional competencies of students, the transparency and adequacy of tools and mechanisms for their evaluation

- The organization of TVE should provide a mechanism for internal quality assessment and examination of educational programs, as well as feedback for their improvement

- The organization of TVE should ensure that the maximum number of structured, organized information is available for students in the disciplines: for example, presentation materials, lecture notes, compulsory and additional literature, practical assignments, etc.

- An important factor is the introduction and effectiveness of active teaching methods and innovative teaching methods

- The organization of TVE should ensure the availability and effective functioning of the system of individual assistance and counseling of students in the educational process.

### **The Evidence**

At present, the college implements educational programs in 11 specialties:

- 0101000 "Preschool education and training", with qualification 0101013 - Teacher of pre-school organizations;

- 0508000 "Catering", with qualification 0508012 - Cook;

- 0518000 "Accounting and audit", with qualification 0518023 - Economist-accountant;

- 0705000 «Underground mining of mineral deposits», with qualifications: 0705022 - Mining underground, 0705092 - Electric locomotive driver, 0705113 - Technician-technologist;



- 0707000 "Maintenance and repair of mining electromechanical equipment", with qualifications: 0707062 - Electrician (fitter) on duty and equipment repair, 0707193 - Electromechanics;
- 0709000 "Mineral processing" (ore-enrichment), with qualification 0709183 - Technician-technologist;
- 0712000 "Construction of underground structures", with qualification 0712012 - Machinist of the tunneling complex;
- 1114000 "Welding case", with the qualification of 1114042 - electric gas welder;
- 1201000 "Maintenance, repair and operation of motor transport", with qualification 1201123 - Mechanical technician;
- 0706000 "Open development of mineral deposits", with qualification 0706203 - Technician-technologist;
- 0510000 "Office work and archival studies", with qualification 0510012 - Secretary-referent.

Educational activity is conducted on the basis of state licenses No. 12016326 of November 15, 2012 and attachments to it. The training is carried out by full-time education based on employers' applications and state order, as well as on a commercial basis for individuals. At the correspondence department, the training is conducted on a fee basis under contracts with individuals.

For the conduct of educational activities, there is a relevant training and planning documentation. In three specialties: 0705000 "Underground mining of mineral deposits", 0707000 "Maintenance and repair of mining electromechanical equipment", 0709000 "Mineral processing" training of specialists is conducted on the dual system of training.

The educational program for training specialists includes compulsory subjects (general education, general humanities, professional and special) and disciplines defined by the education organization (DOO). During the development of the RUPs, the academic part of the college was changed in the amount of study time allocated for the development of educational material for cycles (modules), in disciplines (modules), in vocational training and professional practice, while preserving the total number of hours for compulsory education. In addition, the RUPs include consultations (100 hours per academic year) and elective classes (4 hours a week), which are aimed at providing individual abilities and student requests.

In the experimental mode, programs with a modular and competent approach are implemented according to the order of the Education Department of Aktobe oblast No. 180 of August 29, 2017, in 6 specialties: 0508000 "Catering", 0510000 "Office work and archival studies", 0705000 "Underground mining of mineral deposits", 0706000 " Open development of

mineral deposits ", 0707000" Maintenance and repair of mining electromechanical equipment "; 0712000 "Construction of underground structures". Working curricula for these specialties are developed in accordance with educational programs developed by NAO Holding Kasipkor, based on the list of qualifications, the content of the disciplines of the mandatory component. Educational activity in all specialties is carried out in accordance with the State Educational Establishment of the Ministry of Education and Science, Model Curricula and Model Curricula.

Student questioning, conducted during the visit of the IAAR EEK, showed that

- 89.1% are satisfied with the support of educational materials in the learning process;
- 94.5% are satisfied with the general quality of the curricula and teaching methods;
- 89.1% of students are satisfied with the existing educational resources.

### **Analytical part**

The availability of a guaranteed contingent of students allows not to fill up the recruited groups and provide the necessary quality of teaching both on theoretical and practical lessons. The structure of educational programs and their content are largely determined by the qualification and job requirements for the knowledge, skills and skills of existing employees, so they can reduce the process of adaptation of graduates in the workplace to a minimum.

Strengths / best practice

- Definition of the content, volume, logic of the study of the academic disciplines.
- Use of modern teaching technologies, use of ICT, CNC, training stands. The use of rational pedagogical forms and methods of instruction, the accessibility of information educational material, contribute to the formation of basic and professional classes, skills and knowledge blocks for students.
- The interest of the social partners in forming a contingent of college graduates focused on training for work at enterprises.
- Effective forms of mentoring of production specialists over trainees by students.
- The structure of educational programs provides for different types of activities. The content of which contributes to the development of the professional competencies of students taking into account personal characteristics.
- The college provided equal opportunities for students, including students. regardless of the language of instruction.
- Educational equipment and software used for mastering educational programs are similar to those used in relevant fields.
- The college provides an objective evaluation of knowledge and the degree of formation of basic and professional skills of students.

- Active methods of teaching and innovative methods of teaching are introduced in the college.

#### **EEC recommendations**

- To intensify the work on the implementation of distance learning technologies for teaching with the purpose of individualizing educational processes.
- To introduce more widely the teaching of special disciplines in the English language into the teaching process.
- Increase the participation of social partners and other stakeholders in the development and updating of educational programs.
- To place on the Internet, on the site video lessons and video lectures, master classes from the best teachers, in order to generalize and disseminate best practices.
- When developing work programs for special disciplines, use the current regulations on technological processes, safety rules and labor protection of the city-forming enterprise of the Don GOK.

**EEC notes that the institutional profile of the college in this standard contains 10 strong, and 6 - satisfactory positions.**

#### **6.4. Standard "Pedagogical collective and teaching effectiveness"**

- The organization of TVE should ensure the compliance of the teaching staff with the qualification requirements and the specifics of the educational program
- The TVE organization should demonstrate recruitment based on an analysis of the needs of educational programs
- The organization of TVE should demonstrate the availability of information about the pedagogical team to the public
- The organization of TVE should demonstrate compliance with the principle of accessibility of management and transparency of all personnel procedures
- The organization of TVE should ensure monitoring of the activities of the teaching staff, a systematic assessment of the competence of teachers, an integrated assessment of the quality of teaching
- The workload of a teacher should include various activities
- The organization of the TVE should demonstrate evidence of the teachers' fulfillment of all types of planned workload

- The organization of TVE should demonstrate the availability of a system of professional development, professional and personal development of the teaching staff and administrative and managerial staff

- The organization of TVE should provide targeted actions for the development of young teachers and the formation of a personnel reserve

- The organization of TVE should ensure the monitoring of the satisfaction of the teaching staff

- The organization of TVE should demonstrate the involvement of the teaching staff in practical activities in the field of specialization

- The organization of TVE should demonstrate the IT competence of members of the teaching staff, the use of innovative methods and forms of training

- An important factor is the participation of the teaching staff in the life of society

### **The Evidence**

The contingent of students is a complex of absolute and relative indicators that characterize the quantitative and qualitative aspects of the college. The indicators reflect both external (unmanageable by the administration) and internal (covered by the corporate management system) factors. The contingent of students for academic years is presented in the table.

### **Contingent of full-time study**

<b>№</b>	<b>Specialty</b>	<b>2015-2016</b>	<b>2016-2017</b>	<b>2017-2018</b>
1	0705000 "Underground mining of mineral deposits"	104	111	190
2	0706000 "Open development of mineral deposits"	130	-	25
3	0707000 "Maintenance and repair of mining electromechanical equipment"	107	124	144
4	0709000 "Enrichment of minerals" (ore enrichment)	107	116	70
5	0712000 "Construction of underground structures"	25	23	49
6	1201000 "Maintenance, repair and operation of motor transport"	87	55	49
7	1114000 "Welding case"	25	50	48
8	0508000 "Catering"	-	25	49
9	0518000 "Accounting and audit"	29	27	27
10	0101000 "Preschool education and training"	28	31	11
11	0510000 "Office work and	-	-	25

	archiving"			
12	0601000 "Standardization, metrology and certification"	24	24	-
13	1112000 "Operation of machinery and equipment of industry"	26	-	-
14	1013000 "Mechanical processing, instrumentation and automation in mechanical engineering"	29	-	-
	<b>TOTAL</b>	<b>614</b>	<b>586</b>	<b>602</b>

As can be seen from the above data, the largest number of trainees in specialty 0705000 "Underground mining of mineral deposits"

Table - The number of enrolled applicants for the specialties of full-time and part-time departments.

<b>№</b>	<b>Specialty</b>	<b>2015-2016г.</b>	<b>2016-2017г.</b>	<b>2017-2018г.</b>
1	0705000 "Underground mining of mineral deposits"	27/22	30/70	25/0
2	0706000 "Open development of mineral deposits"	-	-	25/24
3	0707000 "Maintenance and repair of mining electromechanical equipment"	30/19	25/35	53/0
4	0709000 "Enrichment of minerals" (ore enrichment)	-/21	45/0	-
5	0712000 "Construction of underground structures"	-	-	50/24
6	1201000 "Maintenance, repair and operation of motor transport"	29/16	-/21	-/13
7	1114000 "Welding case"	25	25	-
8	0508000 "Catering"	-	25	25
9	0518000 "Accounting and audit"	29		-/13
10	0101000 "Preschool education and training"	16	-/8	-/13
11	0510000 "Office work and archiving"	-	-	25
12	0601000 "Standardization, metrology and certification"	-/16	-	-
	<b>TOTAL</b>	<b>156/94</b>	<b>150/134</b>	<b>203/87</b>

It can be seen from the table that the number of students admitted in recent years tends to increase. At the same time, the number of students enrolled at the expense of the state educational order changes to small values, the main changes at the expense of students on a contractual basis. According to the table, in 2017 the most popular specialties are "Maintenance and repair of mining electromechanical equipment" and "Construction of underground

structures". The total number of enrolled in college in 2017 was 290 people. The data on accepted students, in the context of specialties, are presented in the table above.

### Employment of graduates for 3 years

№	Specialty	2014-2015		2015-2016		2016-2017	
		Total Issued	Of them is employed	Total Issued	Of them is employed	Total Issued	Of them is employed
1	0705000 "Underground mining of mineral deposits"	16	16	23	23	26	26
2	0707000 "Maintenance and repair of mining electromechanical equipment"	29	28	28	27	29	25
3	0709000 "Enrichment of minerals" (ore enrichment)	25	25	25	24	47	45
4	0712000 "Construction of underground structures"	-	-	-	-	22	22
5	1201000 "Maintenance, repair and operation of motor transport"	25	25	27	25	-	-
6	0518000 "Accounting and audit"	28	27	-	-	-	-
7	0101000 "Preschool education and training"	-	-	-	-	13	13
8	0601000 "Standardization, metrology and certification"	-	-	-	-	24	24
9	1112000 "Operation of machinery and equipment of industry"	-	-	26	24	-	-
10	1013000 "Mechanical processing, instrumentation and automation in mechanical engineering"	-	-	29	27	-	-
	<b>TOTAL</b>	<b>123</b>	<b>121</b>	<b>158</b>	<b>150</b>	<b>161</b>	<b>155</b>

Employment of graduates from year to year is stable, it is approximated to 100%.

The results of the quality of knowledge of the final attestation

Academic years	Specialties	Quality of knowledge	Progress
2014-2015	5	65,4%	100 %
2015-2016	6	67 %	100%
2016-2017	7	69 %	100%

The results of the quality of knowledge and the performance of students for 3 years show that, compared to the previous year, the results of the following year are much higher.

For academic support of students who do not have time for disciplines, who have missing because of illness, for family reasons, teachers organize additional classes and consultations.

Students who successfully passed the qualification exam in the OUPP and PC on the basis of the issued protocols of the qualification commission are assigned the appropriate level of grade, qualifications for a particular profession (specialty) and issued a Certificate of Qualification.

Based on the assessment of the level of professional preparedness and qualification, 100% of graduates receive certificates of qualification. The work carried out by the teaching staff in assessing the knowledge of students, gives good results.

In the college there was a system of support for students for successful educational activities in the formation of professional competencies and non-academic activities that contribute to the formation of social competencies of students.

Members of the WEC noted the successful activities of students in the design and research work for the training of future specialists. To do this, the college uses various forms of design and research work of students. To support and develop the youth initiative in the upbringing of the younger generation, the military-patriotic club "Kaharman" was created in the college, there is a provision and an approved work plan for the club.

The EEC team was convinced that the students received the most social support from orphanages. Within the framework of the Republican project on social adaptation of graduates of orphanages "Planning life and career of graduates of orphanages", a 3-party Memorandum No. 11/111 of March 19, 2013 was signed. on cooperation between Donskoy GOK - a branch of TNK Kazkhrom JSC, Alginsky children's home and the Khromtau Mining and technical College. The placement of orphans is 100%. Throughout the training period, the accounts in Zhilstroybank, open to the inmates of children's homes-college students, receive cash from a

social partner - Donskoy GOK-ta to purchase housing. After graduation, graduates of the college-orphans are getting apartments.

In order to provide training and production practice bases, contracts are concluded with the leading enterprises of the industry. The SCC "Khromtau Mining and Technical College", on the basis of the agreement No. 18-11 / 418/1044 of April 23, 2018 with the Joint Stock Company "Transnational Company Kazchrome", purchases overalls for college students.

An important factor is the monitoring of the employment and professional activities of graduates.

### **Analytical part**

Providing 100% of employment, social support for orphans, material and moral stimulation in accordance with the mission of the college, contribute to the implementation of strategic plans, the achievement of goals in the educational activities of the college. Therefore, the level of students' satisfaction with the conditions for obtaining education is very high.

### **Strengths / best practice**

- Availability of a policy for the formation of a contingent of students and transparency of its procedures.
- High level of organization of passing of industrial training and professional practice by trainees in the specialty and monitoring of students' satisfaction, heads of enterprises - places of practices and employers.
- Availability of support for gifted people.
- Presence of winners on the results of participation of international, republican, city professional competitions, olympiads and creative events.
- Availability of monitoring of employment and professional activity of graduates, 100% employment of graduates.

### **EEC recommendations**

- Strengthen the role of student activists in various spheres of public life in the college, as well as in the decision making process of the Pedagogical Council;
- Constantly improve the mechanisms for identifying and supporting gifted and talented students.
- To inform all interested persons about the model of the graduate of the educational institution, taking into account the competences, as close as possible to the conditions of their future professional activity.

**EEK notes that the college's institutional profile for this standard contains 5 strong positions, 3 - satisfactory.**



## 6.6. Standard "Finance"

- The organization of TVE should demonstrate the coherence of the development strategy and management of financial flows in the organization of TVE
- The organization of the TVE should demonstrate the budget planning of the TVE organization, the availability of short- and medium-term plans
- The organization of the TVE should demonstrate the existence of a formalized financial management policy: a cash flow statement, a statement of changes in equity.
- The organization of the TVE should demonstrate the existence of an internal audit system and the results of a regular external, independent audit
- The leadership of the TVE should demonstrate the financial sustainability and viability of the organization of education
- In the organization of TVE there should be a mechanism for assessing the adequacy of financial support for various types of their activities
- The organization of the TVE should ensure transparency in budget allocation and its effectiveness
- There should be an effective financial reporting mechanism in the organization of TVE

### The Evidence

The condition of the mission: Preparation of competitive specialists for mining and mono cities in the context of modernization of the content of technical and vocational education, oriented to the industrial and innovative development of the country, brought up in the spirit of moral values, are the material and technical capabilities and potential of the educational institution, and guarantee of its financial stability.

In the development of financial plans, in which the financial stability of the SSE "Khromtauskirgon-technical college" is laid, is guided by the Law of the Republic of Kazakhstan "On Education", the decisions of the Government of the RK on approval of the state educational order for training specialists, orders of the Ministry of Education and Science of the Republic of Kazakhstan on financial standards. The sources of financing are: budget financing of the college, state educational order, income from paid educational services, sponsorship and charitable assistance, other incomes that do not contradict the legislation of the Republic of Kazakhstan.

The main sources of financial resources for the educational process are the local and national budget; funds under training contracts for students and from the provision of gratuitous financial assistance from TNK Kazkhrom.

To allocate funds from the budget to replenish the material and technical base of the college, as well as to carry out major repairs by the college, budgetary applications are submitted

to the State Administration "Education Administration of the Aktobe Oblast" with the justification of prices and the availability of design estimates for repairs.

The prices for services provided by the college under state order and paid services are approved by the government body - the Administration of Education of the Akimat of the Aktyubinsk region.

In the income items of the College, the following transactions and events are recognized:

- financing under the state educational order;
- rendering of paid services;
- Sponsorship and charity;
- other income.

The main part of the college budget is formed as a result of the receipt of funds from the provision of educational services to students on a contractual basis and trained by state order. The main items of the expenditure part of the college budget are the salary fund, tax payments, expenses for the acquisition of materials and fixed assets, acquisition of a book fund, payment for utilities, capital and current repairs of fixed assets and other expenses.

#### **Dynamics of expenditures of the college budget (thousand tenge)**

Indicators	2015	2016	2017	2018
Total costs	292212	279109	352814	293926
Wage	107195	115637	123126	118340
Compensatory payments	3942	4466	3946	9400
Travel expenses	4542	2333	4254	2200
Social tax	7395	7328	5357	5357
Social Security contributions	4820	5299	4886	4886
Scholarship	62253	67393	79507	65200
Compensation for travel of students	3491	3524	6148	3420
Acquisition of other goods	16028	4399	10564	
Acquisition of food products	19736	21182	19994	13870
acquisition of educational literature	4388	2654	2285	1520
acquisition of laboratory equipment	5668	2260	43241	
Acquisition of furniture	642	603	993	
purchase of computer equipment	1199		3356	
Utilities	6809	6399	7179	7200
Communication services, incl. the Internet	537	555	482	525
Vehicles	14783			11746
Other fixed assets	1320	1319	1188	5000
Payment for professors	19429	19874	23935	20539
other expenses	8035	13884	12373	29723

Labor costs occupy the largest share in the structure of costs, annually from 30% to 43%.

Analysis of data over the past three years shows that the degree of college independence remains unchanged from external sources of funding: the share of extrabudgetary funds in college income is 17% in 2015, 18% in 2016, 11% in 2017 and in total revenues; the share of budgetary expenditures on wages from current costs to total revenues is 39% in 2015, 43% in 2016, -33% in 2017, and 40% in 2018. Expenses for 1 student by years are as follows: in 2015 - 392.5 thousand tenge, 2016 - 288.5 thousand tenge, and in 2017 - 354.5 thousand tenge.

The educational activity of the college is provided with sufficient financial resources. The college adheres to the moderate price policy and the accounting data for last 5 years testify to its correctness.

Evidence of financial stability of the college is the allocation of funds for the payment of bonuses and material assistance.

#### **Dynamics of indicators of material incentives employees (tenge)**

<b>Financial year</b>	<b>Awards</b>	<b>Material aid</b>
2015	2935	575
2016	2500	
2017	1324	

The financial statements of the college include:

- The balance sheet - contains information about the assets in the college, its own capital and liabilities. Assets and liabilities are classified as long-term and current;
- The income statement is presented using the "accrual" method. The report presents an analysis of income and expenditure using a classification based on the nature of income and expenditure (for core and non-core activities).

Control over the distribution of funds is carried out on the basis of approved expenditure estimates

The expenditure of financial means for the acquisition of goods, works and services is made on the basis of the approved plan of public procurement. According to the actual execution of the budget, monthly, quarterly and annual financial statements are compiled.

#### **Dynamics of the formation of material resources (thousand tg).**

Expenditure	<b>2015г.</b>	<b>2016г.</b>	<b>2017г.</b>	<b>2018г.</b>
To equip the material and technical base, including:	36455	5306	58458	26417
laboratory equipment	5668	326	23331	
library fund	4388	2653	536	1200
repairs	8485		9653	8463
means of transport	14783			
computer technology	1169		3356	11746

furniture	642	603	993	
other fixed assets	1320	1724	20589	5008

Based on the results of this table, you can see that the college has the opportunity to further improve its activities. Significant funds are allocated annually to provide the educational process with training equipment. Over the past five years, the availability of new equipment has increased. From the table it follows that the training laboratories and workshops are updated with modern equipment.

For the purpose of efficient use of financial resources, a constant monitoring of the use of financial resources is established, monitoring of the progress of work on the approved schedule, provision of an annual report of the structural divisions of the college on the work performed and services rendered, planning and implementation of measures to develop the material and technical base.

#### **Analytical part**

The educational activity of the college is provided with sufficient financial resources. The college adheres to the moderate price policy and the accounting data for last 5 years testify to its correctness.

Evidence of financial stability of the college is the allocation of funds for the payment of bonuses and material assistance.

#### **Strengths / best practice**

- Timely payment of wages in accordance with the legislation of the Republic of Kazakhstan.
- Obtaining state orders for training specialists from the state budget.
- Timely provision of students special. clothes, travel allowances, scholarships.
- Financing of educational and production, extra-curricular activities among students.
- Availability of an effective financial reporting mechanism.
- Providing gratuitous financial assistance from TNK Kazkhrom.

#### **EEC recommendations**

➤ continue to improve the planning mechanisms for the college budget, taking into account the risk management.

**EEK notes that the institutional profile of the college in this standard contains 6 strong positions, 2 - satisfactory.**

## 6.7. The standard "Resources: material and technical and information"

- The organization of the TVE should demonstrate the correspondence of the infrastructure to the specifics of its activities. Audiences, offices, laboratories, communication and computer equipment and other premises must meet modern requirements

- The organization of TVE should assess the dynamics of the development of material and technical resources and information support, the effectiveness of using the results of the assessment for adjustments in the planning and budget allocation

- A training environment should be established in the organization of TVE, which includes
  - Technological support of students and teaching staff in accordance with the programs (for example, online learning, modeling in the classroom) and intellectual queries (databases, data analysis programs)

- Academic accessibility - trainees have access to personalized interactive resources (available also during extra-curricular time), as well as educational materials and assignments, as well as a possibility of trial self-assessment of students' knowledge through remote access to the portal (site) of the TVE organization

- Academic consultations - there are personalized interactive resources that help students plan and execute academic programs

- vocational guidance - trainees have access to personalized interactive resources that assist in the selection and achievement of career paths

- the necessary number of classrooms equipped with modern technical training facilities: training laboratories, modern training grounds, equipped with modern equipment, appropriate educational programs, sanitary and epidemiological standards and requirements

- the necessary number of computer classes, reading rooms, multimedia, language and methodical cabinets, the number of seats in them

- transparency of information regarding complaints

- placement on the portal (site) of the TVE organization of complete objective information on the activities of the organization

- placement on the portal (site) of the TVE organization of external publications (citations, references) about the implementation of the mission by the organization, goals and objectives

- use of information networks to inform the public and stakeholders

- An important factor is the observance of copyright in the placement of educational and methodological support in open access

- An important factor is the creation of conditions for the development and use of information and communication technologies by workers, teaching staff and students in the educational process and the activities of the TVE organization

### **The Evidence**

When examining the material and technical base of the State Scientific and Technical Complex "Khromtau Mining and Technical College" it is established that the educational institution has various types of technical resources: laboratory equipment, installations, mechanisms, stands, measuring instruments, materials, computer and other computer equipment, information resources - library fund , software, information technology.

The material and technical base of the college is a typical educational and production complex consisting of 4 buildings, designed for 650 training places, consists of a four-story educational building, a public housing building, a building of training workshops, as well as a hostel for 95 places. Year of construction 1979, according to the available technical passports, the total area of the college buildings is 10349 square meters, including a training area of 3476.3 m<sup>2</sup>. The area of the land plot is 2.05 hectares. The college has the necessary documents for the right to use the building and premises, registered in the established manner and used to organize and conduct the educational process.

In the educational institution there are 2 assembly halls with a total area of 332.9 m<sup>2</sup>; conference hall for 80 seats; a sports hall with a total area of 274.9 square meters; a gym, the area of which is 50.5 m<sup>2</sup>, a tennis court with a total area of 77.5 m<sup>2</sup>; dining room for 100 seats with an area of 422.2 m<sup>2</sup>, buffet; library with an electronic-reading room for 25 seats and a book fund of 34,996 copies of books; 2 medical points; student hostel with a total area of 2587.5m<sup>2</sup>.

All the educational and support facilities of the college are covered by a fire alarm system. Individual fire extinguishing means are installed in the college (47 fire extinguishers), video surveillance is also installed, for which 32 video cameras are equipped.

To achieve high quality of educational services, the college is provided with a proper production environment, which includes:

- Equipped working rooms and rooms;
- Equipped educational audiences;
- Internet cabinets;
- Computer rooms;
- Multimedia rooms;
- Language laboratories;
- Equipped educational production laboratories;
- Training mine;

- Training garage;
- Library with electronic reading room;
- Canteen;
- Assembly Hall;
- Conference hall;
- Gym;
- Gym;
- Tennis Hall;
- Motor transport fleet.

The Khromtau Mining and Technical College has a complex of modern classrooms and laboratories, the equipment of which allows to conduct the educational process at the proper level for all cycles of the academic disciplines. There are 42 specialized auditoriums and laboratories, including 6 workshops and 12 laboratories, 1 polygon of the mine, 2 training garages and 2 training workshops that ensure the conduct of the educational process and the performance of all laboratory and practical work provided for by curricula and programs at the proper level not.

All training and production workshops, laboratories and workshops are equipped with educational equipment and software used to develop educational programs similar to those used in the relevant industry and meet the safety requirements for operation, are fixed by the order of the director of the college for managers who are called upon to monitor the status of the audit fund and ensure operation equipment located in it.

The library of the Khromtau Mining and Technical College is an important structural unit, the main direction of which is to provide the educational process with information resources, in accordance with the real needs of the college program. The library area is 108 sq.m., the electronic reading room is 48 sq.m. User service is carried out on the subscription and in the electronic reading room, designed for 25 seats.

The library maintains traditional systematic and alphabetical catalogs.

Along with them, since May 2016, an automated information library program "MARK-SQL" is being conducted.

In the educational process, 183 computers are involved, 4 students are enrolled per computer. The local network includes: computer classes, an electronic reading room, AWP teachers, PCC, administration. There is an e-mail [khromtau\\_HGTK@mail.ru](mailto:khromtau_HGTK@mail.ru). There is an access to the current source of information on the site (<http://hromtau-hgtk.kz>) of the college, where information on the latest events of the college, about the specialties, professions of the college, about the events, the achievements of the students and teachers, etc. are posted.

### **Dynamics of the formation of material resources (thousand tg).**

Expenditure	2015	2016	2017
To equip the material and technical base, including:	36455000	1269000	58458,0
laboratory equipment	5668000	326000	23331,0
library fund	4388000	2653000	-
repairs	8485000	-	9653,3
means of transport	14783000	-	
computer technology	1169000	-	3356,5
furniture	642000	603000	993,5
other fixed assets	1320000	1724000	20589,8

Access to the materials of the educational site is organized by specialties. Electronic materials are presented with coverage of all programs, courses and disciplines. In the system, attendance monitoring of students is available.

The experts noted that in the college, in order to ensure the effectiveness of the educational activity of teachers, the success of the students' educational work and the psychological comfort of all participants in the educational process, an educational and material base is created, maintained and developed, and innovation technologies are introduced into the educational process in accordance with the development strategy and mission.

At the same time, experts note that it is necessary to continue work to strengthen the material and technical base and introduce new information technologies.

The questioning of the PPP, conducted during the visit of the NAEC VEK, showed that teachers never encounter:

- a shortage of classrooms - 95.1%;
- poor conditions for classes in classrooms -100%;
- lack of access to the Internet - 63.4%;
- inaccessibility of necessary books in the library - 92.7%.

Questioning of students, conducted during the visit of the NECC VEK, showed that the students are completely satisfied:

- the level of accessibility of library resources - 87.3%;
- the existing educational resources of the college - 89.1%;
- availability and accessibility of computer classes and Internet resources - 81.8%.

#### **Analytical part**

The composition and content of the college resources provide the conditions necessary to provide quality educational services. In the college there are documents confirming his right to



operative management of immovable property used in the educational process, technical passports and layout plans of buildings and structures.

The infrastructure of the college corresponds to the specifics of the activity, there are audiences, offices, laboratories, workshops, computer equipment that meet the requirements. The academic building is connected to the central communications, the territory is fenced, have lighting, 24-hour external and internal video surveillance of the premises of the educational building is conducted.

Analyzing the work on the standard "Resources used in the implementation of educational programs," we can note the positive dynamics of growth in the equipment of the material and technical base of the college, including through sponsorship.

#### **Strengths / best practice**

- Material and technical base of the college, corresponding to the requirements of the State Educational Establishment;
- Financial support of social partners;
- Conducting an assessment of the dynamics of the development of material and technical resources and information support;
- Creation of own demonstration laboratory stands and software products;
- Special audiences are equipped for training using computer technology and other modern technical training aids;
- Creation of conditions for the development and use of information and communication technologies by workers, teachers, students in the educational process and the activities of the college.

#### **EEC recommendations**

- Take measures to increase the number of technical and reference literature in the state language.
- Expand the software package for accredited specialties.
- To intensify the work on the implementation of distance learning educational technologies for the purpose of individualizing the educational process (online learning).
- Activate the work of regularly updating the college's website. Including on the issues of academic accessibility, academic consultation, vocational guidance for students.

**EEC notes that the college's institutional profile for this standard contains 8 strong positions, 8 - satisfactory and 2 - suggest improvement.**

#### **(IV) REVIEW OF STRONG SIDES / BEST PRACTICES FOR EVERY STANDARD (1 page)**

- The SSE "Khromtau Mining and Technical College" has developed a mission, vision and strategy based on the analysis of the real positioning of the educational institution.
- The mission, vision, strategy are aimed at meeting the needs of the state, all stakeholders and students;
- Mission, vision, strategy are individual and unique, adequate to available resources;
- The college involves representatives of stakeholder groups in the formation of a mission, vision, strategy.
- The process of forming a mission, vision, strategy is transparent.
- The college provides information to consumers of educational services about the content of the mission and the strategy and the processes of their formation.
- The SSE " Khromtau Mining and Technical College " ensures the correspondence of its structure to the development strategy of the TVE organization;
- The college has documents on the organizational structure and management of the organization;
- The college established the frequency, forms and methods of assessing the activities of collegial bodies and structural units, top management.
- The composition of collegiate management bodies ensures the participation of representatives of stakeholders;
- College provides openness and accessibility of managers and administration for students, teachers, parents.
- Definition of the content, volume, logic of the study of the academic disciplines.
- Use of modern teaching technologies, use of ICT, CNC, training stands. The use of rational pedagogical forms and methods of instruction, the accessibility of information educational material, contribute to the formation of basic and professional classes, skills and knowledge blocks for students.
- The interest of the social partners in forming a contingent of college graduates focused on training for work at enterprises.
- Effective forms of mentoring of production specialists over trainees by students.
- The structure of educational programs provides for different types of activities. The content of which contributes to the development of the professional competencies of students taking into account personal characteristics.

- The college provided equal opportunities for students, including students. regardless of the language of instruction.

- Educational equipment and software used for mastering educational programs are similar to those used in relevant fields.

- The college provides an objective evaluation of knowledge and the degree of formation of basic and professional skills of students.

- Active methods of teaching and innovative methods of teaching are introduced in the college.

- The structure of educational programs provides for different types of activities. The content of which contributes to the development of the professional competencies of students taking into account personal characteristics.

- The college provided equal opportunities for students, including students. regardless of the language of instruction.

- Educational equipment and software used for mastering educational programs are similar to those used in relevant fields.

- The college provides an objective evaluation of knowledge and the degree of formation of basic and professional skills of students.

- Active methods of teaching and innovative methods of teaching are introduced in the college.

- Timely provision of students special. clothes, travel allowances, scholarships.

- Financing of educational and production, extra-curricular activities among students.

- Availability of an effective financial reporting mechanism.

- Providing gratuitous financial assistance from TNK Kazkhrom.

- Material and technical base of the college, corresponding to the requirements of the State Educational Establishment;

- Financial support of social partners;

- Conducting an assessment of the dynamics of the development of material and technical resources and information support;

- Creation of own demonstration laboratory stands and software products;

- Special audiences are equipped for training using computer technology and other modern technical training aids;

- Creation of conditions for the development and use of information and communication technologies by workers, teachers, students in the educational process and the activities of the college.

## **REVIEW OF RECOMMENDATION ON IMPROVEMENT OF QUALITY (1-2 pages)**

### 6.1. Standard "Vision, Mission and Strategy"

➤ Define the mechanisms for the formation and regular revision of the mission, vision, strategy and monitoring of their implementation.

### 6.2. Standard "Management and Management"

➤ The Human Resources Division must develop the Regulations, and the management should take measures to create a personnel reserve and the conditions for staff growth.

➤ Develop and implement a procedure for internal quality management system (monitoring and evaluation of the quality of the activities of collegial bodies of structural units, employees, teachers, administrative and managerial staff of the college;

➤ Develop a risk assessment system and identify ways to reduce these risks.

### 6.3. Standard "Educational programs"

➤ To intensify the work on the implementation of distance learning technologies for teaching with the purpose of individualizing educational processes.

➤ To introduce more widely the teaching of special disciplines in the English language into the teaching process.

➤ Increase the participation of social partners and other stakeholders in the development and updating of educational programs.

➤ To place on the Internet, on the site video lessons and video lectures, master classes from the best teachers, in order to generalize and disseminate best practices.

➤ When developing work programs for special disciplines, use the current regulations on technological processes, safety rules and labor protection of the city-forming enterprise of the Don GOK.

### 6.4. Standard "Pedagogical collective and teaching effectiveness"

➤ make available on the site a portfolio of teachers with professional achievements.

➤ Administration to ensure transparency in making personnel decisions.

➤ To plan the procedures for registration of educational and methodological benefits in accordance with the Rules for Assignment of the International Standard Book Number of ISBN in the Republic of Kazakhstan.

➤ consider the issue, with the consent of employers, on the transition to the dual system of training specialties: 0508000 "Catering", 0510000 "Office work and archival studies", 0101000 "Preschool education and training".

### 6.5. Standard "Learners"

➤ Strengthen the role of student activists in various spheres of public life in the college, as well as in the decision making process of the Pedagogical Council;

➤ Constantly improve the mechanisms for identifying and supporting gifted and talented students.

➤ To inform all interested persons about the model of the graduate of the educational institution, taking into account the competences, as close as possible to the conditions of their future professional activity.

#### 6.6. Standard "Finance"

➤ continue to improve the planning mechanisms for the college budget, taking into account the risk management.

#### 6.7. The standard "Resources: material and technical and information"

➤ Take measures to increase the number of technical and reference literature in the state language.

➤ Expand the software package for accredited specialties.

➤ To intensify the work on the implementation of distance learning educational technologies for the purpose of individualizing the educational process (online learning).

➤ Activate the work of regularly updating the college's website. Including on the issues of academic accessibility, academic consultation, vocational guidance for students.

**(IX) REVIEW OF THE RECOMMENDATION ON THE DEVELOPMENT OF THE ORGANIZATION OF EDUCATION (1 page)**

List of recommendations of the EEC related to the development of the TOE. These recommendations do not refer to measures to improve the quality and compliance with the standards of the IAAR (if any)

**Conclusion of the Commission for Institutional Accreditation  
SSE "Khromtau Mining and Technology College"**

№	Criteria for evaluation	Position of the organization of education			
		Strong	Satisfactory	Assumes improvement	Unsatisfactory
<b>Standard "Vision, Mission and Strategy"</b>					
1	The organization of technical and vocational education demonstrates the development of a mission, vision and strategy based on an analysis of the real positioning of the organization of education and their focus on meeting the needs of the state, stakeholders and students	+			
2	The organization of technical and vocational education should demonstrate the individuality and uniqueness of the mission and strategy	+			
3	The organization of technical and vocational education should ensure the adequacy of the mission, vision, strategy of the available resources (including financial, information, personnel, material and technical base), labor market needs and educational policy of the Republic of Kazakhstan	+			
4	The organization of technical and vocational education should involve representatives of stakeholder groups, including trainees, teachers and employers, in the formation of a mission, vision, strategy	+			
5	The organization of technical and vocational education demonstrates the transparency of the processes of forming a mission, vision, strategy	+			

6	The organization of technical and vocational education ensures the awareness of stakeholders about the content of the mission and the strategy and the processes of their formation	+			
7	The organization of technical and vocational education should determine the mechanisms for the formation and regular revision of the mission, vision, strategy and monitoring of their implementation		+		
8	Vision, mission and strategy should be coordinated among themselves.	+			
9	The organization of technical and vocational education carries out strategic, tactical and operational planning and resource allocation processes in line with vision and mission	+			
10	The organization of technical and vocational education systematically collects, accumulates and analyzes information about its activities and conducts self-assessment in all directions, based on the development and implementation of measurement processes and analysis to assess the success of the implementation of the TVE organization strategy through indicators such as "performance" and "efficiency"		+		
11	Based on the strategy for the organization of technical and vocational education, it should develop specific documents on specific areas of activity and processes		+		
<b>TOTAL</b>		8	3		
<b>Standard "GOVERNANCE AND MANAGEMENT"</b>					
12	Management of a TVE organization should include:				
12.1	management through		+		
12.2	mechanisms for planning, development and continuous improvement		+		
12.3	risk assessment and identification of ways to reduce these risks			+	
12.4	Monitoring, including the establishment of reporting processes		+		
12.5	analysis of identified nonconformities, implementation of the developed corrective and preventive actions		+		
12.6	analysis of the effectiveness of changes		+		

12.7	assessment of the effectiveness and effectiveness of the units and their interaction		+		
13	The organization of TVE should ensure that its structure of the development strategy of the TVE organization	+			
14	The organization of TVE should ensure the availability of documents on the organizational structure and management of the organization of TVE	+			
15	The organization of TVE should document all the main business processes		+		
16	The organization of the TVE should demonstrate a clear definition of those responsible for business processes, unambiguous assignment of staff duties, delineation of the functions of collegial bodies		+		
17	The organization of the TVE should ensure the availability of an information and feedback system		+		
18	The organization of the TVE should establish the periodicity, forms and methods for assessing the activities of collegial bodies and structural units, top management		+		
19	The organization of TVE should ensure the management of the educational process through the management of individual educational programs		+		
20	The organization of TVE should demonstrate the successful functioning of the internal quality assurance system of the TVE organization			+	
21	An important factor is the availability of a certified quality management system and its continuous improvement			+	
22	An important factor is the availability of information systems and databases, the use of the Internet for information, the availability of a portal and / or the Internet site		+		
23	An important factor is the participation of representatives of stakeholders (employers, teachers, trainees) in the collegial management bodies	+			



24	The organization of the TVE should demonstrate mechanisms for resolving conflicts of interests and relations, through the availability of information on compliance / violations and the availability of a feedback system, consideration in management bodies, effective activities of disciplinary bodies and motivational system			+		
25	The organization of TVE should provide a measure of the degree of satisfaction of the needs of teachers, staff and trainees and demonstrate evidence of the elimination of shortcomings found in the measurement process			+		
26	The organization of TVE should demonstrate evidence of openness and accessibility of managers and administration for students, teachers, parents (blogs on the website of the organization of education, official hours of reception on personal matters, e-mail communication, etc.).			+		
<b>TOTAL</b>		5	3	1	3	
<b>Standard "EDUCATIONAL PROGRAMS"</b>						
27	The organization of TVE should provide evidence of the participation of the teaching staff and employers in the development and management of educational programs, ensuring their quality			+		
28	The organization of TVE should determine the content, scope, logic of studying the academic disciplines			+		
29	The organization of TVE should demonstrate the influence of disciplines on the formation of basic and professional competencies, skills and knowledge blocks			+		
30	The organization of TVE should demonstrate the logic of curriculum development and training programs			+		
31	The list and content of the disciplines should be accessible to the trainees. Disciplines should exhaustively cover all pressing issues			+		

32	The structure of the educational program should provide for various types of activities, the content of which should contribute to the development of professional competencies of students taking into account their personal characteristics	+			
33	The organization of TVE should ensure equal opportunities for students, including regardless of the language of instruction	+			
34	An important factor is the renewability of educational programs aimed at developing professional skills, taking into account the interests of employers		+		
35	Educational equipment and software used for the development of educational programs should be similar to those used in the relevant industries and meet the safety requirements for operation	+			
36	The organization of TVE should demonstrate the effectiveness of a regular analysis of sufficiency and modernity available at the disposal of educational resources programs		+		
37	To implement educational programs, the organization of TVE should involve practitioners and determine the proportion of the disciplines taught by them	+			
38	The organization of TVE should ensure the objectivity of the assessment of knowledge and the degree of formation of the basic and professional competencies of students, the transparency and adequacy of tools and mechanisms for their evaluation	+			
39	The organization of TVE should provide a mechanism for internal quality assessment and examination of educational programs, as well as feedback for their improvement		+		
40	The organization of TVE should ensure that the maximum number of structured, organized information is available for students in the disciplines: for example, presentation materials, lecture notes, compulsory and additional literature, practical assignments, etc.	+			
41	An important factor is the introduction and effectiveness of active teaching methods and innovative teaching methods	+			

42	The organization of TVE should ensure the availability and effective functioning of the system of individual assistance and counseling of students on the issues of the educational process		+		
<b>TOTAL</b>		0	1 6		
<b>"PEDAGOGICAL COLLECTIVE AND EFFECTIVENESS TEACHING"</b>					
43	The organization of the TVE should ensure the compliance of the teaching staff with the qualification requirements and the specifics of the educational program		+		
44	The organization of TVE should demonstrate the selection of personnel based on the analysis of the needs of educational programs		+		
45	The organization of TVE should demonstrate the availability of information about the pedagogical team to the public		+		
46	The organization of TVE should demonstrate compliance with the principle of accessibility of management and transparency of all personnel procedures		+		
47	The organization of TVE should ensure monitoring of the activities of the teaching staff, a systematic assessment of the competence of teachers, a comprehensive assessment of the quality of teaching		+		
48	The workload of a teacher should include various activities	+			
49	The organization of the TVE should demonstrate the evidence of the teachers' fulfillment of all types of planned workload	+			
50	The organization of TVE should demonstrate the availability of a system of professional development, professional and personal development of the teaching staff and administrative and managerial staff	+			
51	The organization of TVE should provide targeted actions for the development of young teachers and the formation of a personnel reserve		+		
52	The organization of TVE should ensure monitoring of the satisfaction of the teaching staff		+		
53	The organization of TVE should demonstrate the involvement of the teaching staff in practical activities in the field of specialization	+			

54	The organization of TVE should demonstrate the IT competence of members of the teaching staff, the use of innovative methods and forms of training		+		
55	An important factor is the participation of the teaching staff in the life of society	+			
<b>TOTAL</b>		5	8		
<b>Standard "LEARNERS"</b>					
56	The organization of the TVE should demonstrate the policy of forming the contingent of trainees and the transparency of its procedures	+			
57	The organization of TVE should provide an opportunity for trainees to undergo vocational training and professional practice in the specialty / qualifications and monitor the satisfaction of students, managers of enterprises - places of practice and employers	+			
58	An important factor is the possibility of professional certification of students in the learning process		+		
59	An important factor is the availability of support for gifted students	+			
60	The organization of TVE should apply the maximum amount of effort to provide graduates with employment and maintain communication with alumni	+			
61	An important factor is the monitoring of employment and the professional activity of graduates	+			
62	The organization of TVE should create a mechanism for monitoring the satisfaction of students with the activities of the TVE organization		+		
63	The organization of the TVE should demonstrate the functioning of a feedback system, including the prompt presentation of information on the results of the assessment of the knowledge of students		+		
<b>TOTAL</b>		5	3		
<b>Standard "FINANCE"</b>					
64	The organization of TVE should demonstrate the coherence of the development strategy and management of financial flows in the organization of TVE	+			

65	The organization of the TVE should demonstrate the budget planning of the TVE organization, the availability of short- and medium-term plans	+			
66	The organization of the TVE should demonstrate the existence of a formalized financial management policy: a cash flow statement, a statement of changes in equity	+			
67	The organization of TVE should demonstrate the existence of an internal audit system and the results of regular external, independent audit	+			
68	The leadership of the TVE should demonstrate the financial sustainability and viability of the organization of education	+			
69	In the organization of TVE there should be a mechanism for assessing the adequacy of financial support for various types of its activities		+		
70	The organization of TVE should ensure the transparency of the budget allocation and its effectiveness		+		
71	There must be an effective financial reporting mechanism in the organization of TVE	+			
<b>TOTAL</b>		6	2		
<b>The standard "RESOURCES: MATERIAL AND TECHNICAL AND INFORMATION"</b>					
72	The organization of TVE should demonstrate the correspondence of the infrastructure to the specifics of its activities. Audiences, offices, laboratories, communication and computer equipment and other premises must meet modern requirements	+			
73	The organization of TVE should assess the dynamics of the development of material and technical resources and information support, the effectiveness of using the results of the assessment for adjustments in budget planning and distribution	+			
74	A training environment should be established in the organization of TVE, which includes				
74.1	technological support of students and teaching staff in accordance with the programs (for example, online learning, modeling in the classroom) and intellectual queries (databases, data analysis programs)		+		

74.2	academic accessibility - trainees have access to personalized interactive resources (available also during extra-curricular time), as well as educational materials and assignments, as well as a possibility of trial self-evaluation of students' knowledge through remote access to the portal (site) of the TVE organization			+	
74.3	academic consultations - there are personalized interactive resources that help students plan and execute academic programs			+	
74.4	professional orientation - students have access to personalized interactive resources that assist in the selection and achievement of career paths			+	
74.5	the necessary number of classrooms equipped with modern technical training facilities: training laboratories, modern training grounds equipped with modern equipment, appropriate educational programs, sanitary and epidemiological standards and requirements			+	
74.6	the necessary number of computer classes, reading rooms, multimedia, language and methodical cabinets, the number of seats in them			+	
74.7	book fund, including the fund of educational and methodical literature on paper and electronic media, periodicals in the context of the languages of instruction			+	
74.8	free access to educational Internet resources			+	
75	The organization of TVE should determine the degree of introduction of information technologies in the educational process, monitor the use and development of innovative teaching technologies by members of the teaching staff, including on the basis of ICT			+	
76	The organization of TVE should demonstrate the availability of a web resource reflecting the mission, goals and objectives of the TVE organization, the effectiveness of its use to improve the organization's education				

76.1	availability of adequate and objective information about the teaching staff on the portal (site) of the organization of TVE		+		
76.2	transparency of information regarding complaints		+		
76.3	placement on the portal (site) of the TVE organization of complete objective information on the activities of the organization	+			
76.4	placement of external publications (quotes, links) on the portal (site) of the TVE organization about the implementation of the mission by the organization, goals and objectives	+			
76.5	Use of information networks to inform the public and stakeholders	+			
77	An important factor is the observance of copyrights in the placement of educational and methodological support in the public domain		+		
78	An important factor is the creation of conditions for the development and use of information and communication technologies by workers, teachers and students in the educational process and the activities of the TVE organization	+			
<b>TOTAL</b>		8	8	2	
<b>TOTAL IN GENERAL</b>		47	43	5	