

Appendix # 1
to the decision of the Board of Directors of Rosseti
Centre, PJSC
Minutes dated 14.02.2024 # 07/24

THE STANDARD

**PERFORMANCE OF A PUBLIC TECHNOLOGICAL AND PRICE AUDIT
OF INVESTMENT PROJECTS
of ROSSETI CENTRE, PJSC**

STO TSA BP 19/SD-01

Moscow

2024

Data on the document

1	Top-level business process, the owner of which is responsible for the development and updating of the internal regulation	BP 19 «Capital construction and reconstruction»
2	Owner of the top-level business process responsible for the development and updating of the internal regulation	Deputy General Director for Investment and Capital Construction
3	Manager of the detailed top-level business process responsible for the development and updating of the internal regulation	Head of the Capital Construction Department of Rosseti Centre, PJSC
4	Version of the internal regulation	№ 2 № 1 – approved by the decision of the Board of Directors, Extract from Minutes dated 13.03.2014 #05/14
5	Justification of a new version of the document	Changes on the part of PJSC Rosseti (Order dated 27.12.2023 # 616)
6	Periodic check	Performed once a year, based on the results of internal audits of business processes or on the basis of decisions of organizational and executive documentation: Head of the Capital Construction Department of Rosseti Centre, PJSC
7	Validity from last approval	5 years
8	Placement and storage	Electronic version – in Docflow System, Internal Documents Library, \\Mr-fs01.mr.mrsk-sr.net\Общая\Документация ИСМ and the corporate portal at http://mrportal/sites/SMK/ , in paper form – in the Administration Office.
9	Participants in the procedure/process	Participants in the business process BP 19 «Capital construction and reconstruction»
10	Acquaintance method	Task in Docflow System
11	Additional data	Earlier – STO BP 20/01-01/2014

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1. Purpose and scope of application

1.1. This Standard of performance of a public technological and price audit of investment projects of Rosseti Centre, PJSC (hereinafter - the Standard) is an internal document of Rosseti Centre, PJSC (hereinafter - the Company) and establishes the goals, objectives and procedure for conducting a public technological and price audit of investment projects worth 1.5 billion rubles or more included in the approved investment program of the Company (the draft investment program of the Company).

1.2. The limit on the cost of investment projects subject to public technological and price audits may be changed in accordance with directives of the Government of the Russian Federation or regulatory legal acts of the Russian Federation.

2. Standard references

This Standard is developed taking into account the following legislative and standard legal acts, Instructions of the Government of the Russian Federation, the Articles of Association of the Company and internal documents:

- The town-planning code of the Russian Federation dated 29.12.2004 № 190-FZ;

- Directives of the Government of the Russian Federation dated 30.05.2013 № 2988-P13;

- Instruction of the Government of the Russian Federation dated 23.01.2003 № 91-r «On the list of open joint stock companies in respect of which the determination of the position of the shareholder - the Russian Federation is carried out by the Government of the Russian Federation, the Chairman of the Government of the Russian Federation or, on his instructions, by the Deputy Chairman of the Government of the Russian Federation»;

- Resolution of the Government of the Russian Federation dated 16.02.2008 № 87 «On the composition of sections of project documentation and requirements for their content»;

- Resolution of the Government of the Russian Federation №382 dated 30.04.2013 «About performance of a public technological and price audit of large investment projects with the state participation and about modification of some acts of the government of the Russian Federation»;

- The Unified Procurement Standard of PJSC Rosseti.

3. Terms, their definitions and abbreviations

3.1. This Standard applies the following terms with their definitions:

Term	Definition
Customer	Rosseti Centre, PJSC - a technical customer, initiator of an investment project or a person authorized by him, initiator of a public technological and price audit of an investment project
An investment project	an object of investment activity that has a justification for economic or other feasibility (including increasing the reliability of operation and development of the UNEG, the safety of operation of the UNEG, the delivery of power from power plants and ensuring grid connection of consumers), the volume and timing of capital investments, including the necessary design and

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	other documentation, developed in accordance with the legislation of the Russian Federation, as well as a description of practical actions for making investments
The investment program	the totality of all investment projects planned for implementation or implemented by the Company, their main characteristics and funding volumes. The investment program is drawn up for a period, the duration of which corresponds to the requirements established by the legislation of the Russian Federation on the electric power industry for the duration of the next long-term regulatory period of the Company. The investment program is formed taking into account the regulatory legal acts of the Russian Federation and is approved in accordance with the legislation of the Russian Federation
Contractor	an independent expert organization that carries out technological and price audits of investment projects
Public and expert discussion	a set of activities aimed at informing the public about the results of technological and price audits of investment projects in order to obtain a public assessment and the customer makes decisions on the recommendations received
Company	Rosseti Centre, PJSC
The Council of Consumers of the Company's Services	an expert collegial body created by the Company's internal organizational and administrative document and representing the interests of all consumer groups, public associations and associations of the business community on the implementation by the Company of the development strategy of the electric grid complex of the Russian Federation
The Council of Consumers of Services of PJSC Rosseti	an expert collegial body representing the interests of all consumer groups, public associations and associations of the business community on the implementation of PJSC Rosseti's of the development strategy of the electric grid complex of the Russian Federation in accordance with Order of PJSC Rosseti dated 01.11.2023 № 481
Technological audit of an investment project	carrying out an expert assessment of the rationale for choosing the designed technological and design solutions for the creation of a capital construction project within the framework of the investment project for their compliance with the best domestic and world construction technologies, technological and design solutions, modern building materials and equipment used in construction, taking into account requirements of modern production technologies necessary for the operation of the capital construction project, as well as operating costs for the implementation of an investment project during the life cycle in order to increase the efficiency of use of funds, reduce costs and decrease construction time, and increase the competitiveness of production

Price audit of an investment project	carrying out an expert financial and economic assessment of the value of the investment object for its compliance with standards, the cost of comparable objects, market prices, taking into account the results of the technological audit procedures of the investment project and a comparative analysis of the cost of the project with analogues and best practices, as well as analysis of changes in the value of the object by different stages of the project (if it changes compared to the previous stage (s))
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4. General provisions

4.1. Public technological and price audit of investment projects is conducted within the limits of execution of Directives of the Government of the Russian Federation from 30.05.2013 № 2988p-P13.

4.2. Responsibility for the organisation of public technological and price audit of investment projects is assigned to the Sole Executive Body of the Company.

4.3. The subject of public technological audit of the investment project depending on a stage of realisation of the investment project is carrying out of an expert estimation of validity of a choice in the predesign and design documentation of technological and constructive solutions on creation within the limits of the investment project of a project of capital construction on their conformity to the design assignment, the best domestic and world construction solutions and requirements of technical regulations, including safety, modernity and urgency of offered technologies of construction, taking into account requirements of the modern production technologies necessary for functioning of a project of capital construction, and working expenses of realisation of the investment project in the course of its life cycle, and also necessities of specification of budget cost of construction by results of performance of a public technological audit of the investment project, conformity of the implemented project to the confirmed design-budget documentation, validity of accepted certificates of the executed work regarding their quality, conformity to the confirmed construction solutions and requirements of technical regulations and policies in the course of realisation of a project and before its commissioning.

4.4. The subject of price audit of the investment project is the estimation of the contained in predesign and design documentation estimate cost of a project of capital construction taking into account results of performance of a public technological audit of the investment project, validity of accepted quotations at signing of certificates of the executed work, the analysis of validity of accepted decisions on observance of limits of the estimate cost.

4.5. This Standard establishes an order of performance of a public technological and price audit of investment projects at the following stages:

4.5.1. The first stage - development of the feasibility report of the investment project.

4.5.2. The second stage - preparation of the design-budget documentation.

4.5.3. The third stage - accomplishment of civil and erection work on realisation of the investment project.

4.5.4. The fourth stage - the stage of commissioning of a facility as a result of realisation of the investment project.

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4.6. At performance of a public technological and price audit at each of stages of realisation of the investment project the following phases are allocated and supervised:

4.6.1. Planning of performance of a public technological and price audit.

4.6.2. Carrying out of a procedure of selection of the contractor.

4.6.3. Carrying out of technological and price audit.

4.6.4. Decision making by results of performance of a public technological and price audit.

5. Selection criteria and procedure for creating a list of investment projects for conducting a technological and price audit

5.1. To select projects subject to public technological and price audits, investment projects that meet all of the following criteria are considered:

5.1.1. Investment projects must be included in the Company's investment program or declared in the draft of the specified investment program.

5.1.2. The total cost of investment projects for which a public technological and price audit is expected to be carried out (in forecast prices, taking into account value added tax) is 1.5 billion rubles or more (in forecast prices including the value added tax (VAT)).

The cost limit for investment projects subject to technological and price audits may be changed in accordance with directives of the Government of the Russian Federation or regulatory legal acts of the Russian Federation.

5.2. The list of investment projects subject to public technological and price audits in the reporting period is approved by an organizational and administrative document of the Company.

6. Carrying out the procedure for selecting a contractor

6.1. Conducting a public technological and price audit at each stage of the investment project is carried out by independent expert organizations (hereinafter - the contractors), attracted by the Company based on the results of procedures provided for by the regulatory legal acts of the Russian Federation, directives of the Government of the Russian Federation, the Unified Procurement Standard of PJSC Rosseti, and also by decisions of the Board of Directors of the Company.

6.2. Requirements for selecting contractors to conduct a technological and price audit:

6.2.1. Having experience in conducting technological and price audits for at least 7 years, including in relation to at least 5 electric grid investment projects worth 8 billion rubles or more each.

6.2.2. Participation in the execution of work to carry out technological and price audit of at least 5 specialists with special technical education and experience in the field of technological expertise of investment projects in the field of electric grid construction for at least 5 years.

6.2.3. Participation in the execution of work to carry out technological and price audit by at least 5 specialists with economic education and experience in the field of estimated pricing and financial and economic examination of investment projects for at least 5 years.

6.3. The procedure for forming the initial (maximum) purchase price for each stage of the public technological and price audit.

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The price of contractors' services for each stage is determined in accordance with the Unified Procurement Standard of PJSC Rosseti, as well as taking into account the relevant legislative and regulatory legal acts regulating the amount of fees for conducting a public technological and price audit.

6.4. Costs of conducting technological and price audits for investment projects, corresponding to para. 5.1 of this Standard, are taken into account as part of the costs of implementing the investment project in terms of the costs provided for by the chapters of the consolidated estimate of the cost of construction, in accordance with the Regulation on the composition of sections of project documentation and the requirements for their content, approved by Resolution of the Government of the Russian Federation dated 16.02.2008 № 87.

7. Carrying out of technological and price audit

7.1. The first stage - analysis, examination of justifications for the main technical solutions for implementation of the investment project and calculations of the aggregated estimated cost.

7.1.1. Initial data:

- the main technical solutions;
- copies of the primary documents proving accepted technical solutions (orders of the Government of the Russian Federation, grid connection execution agreements, confirmation of actual loading and reliability of operation of the existing equipment and so forth);
- calculation of an estimated cost of the investment project;
- the business plan of the investment project;
- cost efficiency calculation.

7.1.2. Tasks of performance of a public technological and price audit at the first stage:

- determination of technical possibility of realisation of the project;
- analysis of an optimality of the main technical solutions and their conformity to the modern international practice;
- analysis of the project business plan and calculation of the economic efficiency;
- analysis of technological and market risks of realisation of the investment project;
- development of offers on project optimisation (proposal of alternative technical solutions).

7.2. The second stage - preparation of the design-budget documentation for the subsequent passage of state expert appraisal of the investment project.

7.2.1. Initial data:

- the report on results of carrying out of technological and price audit at the first stage (in case of carrying out of technological and price audit at the first stage);
- technical requirement on designing;
- design-budget documentation;
- initial permissive documentation.

7.2.2. Tasks of carrying out public technological and price audit at the second stage:

- analysis of sufficiency and completeness of the design-budget documentation;
- analysis of conformity of the accepted technological and constructive solutions in the design documentation to the requirements established in the Technical requirement on designing, and also current regulating and technical documents;

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- analysis of observance of requirements of power efficiency and ecological compatibility of a facility according to the accepted technological and constructive solutions in the design documentation;
- analysis of the budget documentation about correctness of its drawing up and conformity of the design documentation;
- analysis of the plan-schedule of the project;
- issue of recommendations by the Contractor, if necessary, about follow-on revision of the design-budget documentation of the project.

7.3. The third stage - accomplishment of civil and erection work for realisation of the investment project.

This stage is carried out for investment projects for which the development of capital investments in the project at the time of approval of the investment program has been made in the amount of at least 50% of the total volume of capital investments provided for by the investment project in accordance with the investment program of the Company approved in the prescribed manner.

7.3.1. Initial data:

- the report on results of carrying out of technological and price audit for the first and (or) second stages (in case of carrying out of technological and price audit at the first and (or) second stages);
- the design-budget documentation;
- reports and conclusions about carrying out of the state or internal examination of the design-budget documentation;
- the documentation, under development (developed) at preparation and tendering for selection of a contracting organisation on accomplishment of civil and erection work;
- the register and copies of concluded contracts for construction, delivery and services;
- operating set of documents on the project;
- documentation constituted at acceptance of executed work and making settlement payments for performed work;
- accounting documentation on the cost accounting on construction.

7.3.2. Tasks of carrying out public technological and price audit at the third stage:

- financial - technical check of realisation of the investment project;
- check of target expenditure of means in process of construction, check of conformity of cost of the executed work to the contractual documentation, risk analysis of a deviation of the budget from planned indicators;
- check of conformity of executed work at a facility to requirements of the working documentation developed on the basis of the design documentation, technical regulations, results of engineering researches, requirements of the town-planning plan of the land lot;
- check of the budget documentation constituted at acceptance of executed work on correctness of its drawing up and conformity of the design (working) documentation;
- check of observance of regulations of power efficiency of a facility at a stage of completion of construction according to requirements of the design documentation;
- issue of recommendations by the Contractor, if necessary, about rework of the investment project.

7.4. The fourth stage - the stage of commissioning of a facility as a result of realisation of the investment project.

7.4.1. Initial data:

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- the report on results of carrying out of technological and price audit for stages 1-3 (in case of carrying out of technological and price audit at stages 1-3);
- the design-budget documentation;
- reports and conclusions about carrying out of the state or internal examination of the design-budget documentation;
- initial permissive documentation;
- the plan of reaching the design performance;
- the plan of measures to maintain a facility;
- internal regulations and standards of the maintenance company;
- characteristics sheets on the equipment;
- documentation on accomplishment of starting-up and adjustment work;
- operating set of documents.

7.4.2. Tasks of carrying out public technological and price audit at the fourth stage:

- conformity of the executed project to the confirmed design-budget documentation;
- check of target expenditure of means in process of construction, check of conformity of cost of the executed work to the contractual documentation, revealing of deviations of the budget from the planned indicators;
- check of conformity of the executed work at a facility to requirements of the design documentation and working documentation developed on its basis, technical regulations, results of engineering researches, requirements of the town-planning plan of the land lot;
- check of the budget documentation constituted at acceptance of executed work on correctness of its drawing up and conformity of the design (working) documentation;
- check of observance of regulations of power efficiency of a facility at a stage of completion of construction according to requirements of the design documentation;
- issue of recommendations by the Contractor, if necessary, about rework of the investment project.

8. Terms of accomplishment of work on carrying out of technological and price audit

8.1. The beginning of accomplishment of work: within 5 working days from the moment of agreement signing on rendering services.

8.2. The completion of accomplishment of work from the moment of transfer to the Contractor the initial data in conformity with a stage of realisation of the investment project:

- for the first stage - no more than 30 calendar days;
- for the second stage - no more than 30 calendar days;
- for the third stage - no more than 60 calendar days;
- for the fourth stage - no more than 60 calendar days.

9. Registration of results of performance of public technological and price audit

9.1. The result of audit is an expert judgement, containing outcome of technological and price audit of the investment project (hereinafter - the conclusion), including:

- a) conclusions concerning efficiency of technical and technological solutions for the entire life cycle of realisation of the investment project;

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b) offers on optimisation and increase of efficiency of design technical solutions (with presenting comparative characteristics and technical solutions and indication of influence on the project cost: capital costs and operational costs at operation);

c) offers on optimisation of the investment project with a view of construction decrease in value (with presenting specified calculations of cost), decrease in operational costs for stages of operation, decrease in terms of construction;

d) the conclusion about conformity of the price of the investment project under the developed design documentation to market prices;

e) the conclusion about availability/absence of an economic payback of the investment project in various scenary conditions of the analysis (a factorial analysis);

f) analysis of the basic risks of the investment project and development of recommendations concerning a procedure of their elimination;

g) a complete set of documents confirming expert estimations, proving expediency of modification of the design documentation (provided by the Contractor).

9.2. Acceptance of results of carrying out of technological and price audit.

9.2.1. Based on the results of approval in the prescribed manner of the conclusion on conducting a technological and price audit, the Customer organizes a technical meeting chaired by Deputy General Director - Chief Engineer of the Company.

9.2.2. By results of consideration of the expert judgement with the minutes of the technical meeting the list of the necessary events is approved, which are subject to execution by design and contracting organisations.

9.2.3. After signing the minutes of the technical meeting, the audit results are considered at public hearings and meetings of the Council of Consumers of the Company's Services / Council of Consumers of PJSC Rosseti (or another authorized body agreed upon by the customer).

The minutes of the technical meeting are transferred to the contracting (design) organisation for execution of the decisions accepted by results of carrying out of the technological and price audit.

10. Reporting materials

10.1. By results of the public technological and price audit the set of documents is constituted:

a) the conclusion prepared by the Contractor based on the results of the technological and price audit;

b) the complete set of the materials necessary for provision of performance of public and expert public discussions of results of the technological and price audit of the investment project with attraction of the Council of Consumers of the Company's Services / Council of Consumers of PJSC Rosseti (or another authorized body agreed upon by the customer);

c) the complete set of the materials necessary for providing to authorised executive authorities that approve investment programs of subjects of the electric power industry while sending a draft of the investment program (adjustment of the investment program) of the Company for the next period of planning (the current period) according to the procedure and terms established by Resolution of the Government of the Russian Federation dated 01.12.2009 № 977.

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10.2. The Contractor transfers the documents made on the paper carrier together with editable electronic copies. Use of software or hardware that does not allow editing, updating or printing of the developed documents is forbidden.

11. Ensuring publicity of the audit

11.1. The results of the technological and price audit are subject to public and expert discussions at meetings of the Council of Consumers of the Company's Services / Council of Consumers of PJSC Rosseti (or another authorized body agreed upon by the customer).

11.2. The conclusion on the technological and price audit and the minutes of the technical meeting are posted by the Company on the official website of the Company on the Internet.

11.3. The conclusion on conducting a technological and price audit and summary information indicating the motivated position of the Company and the auditor is sent to the Council of Consumers of the Company's Services / Council of Consumers of PJSC Rosseti (or another authorized body agreed upon by the customer).

11.4. Based on the results of consideration of the specified materials, the Council of Consumers of the Company's Services / Council of Consumers of PJSC Rosseti (or another authorized body agreed upon by the customer) sends a conclusion (minutes) to the Company on the quality of the technological and price audit carried out and on taking into account the comments and proposals of the expert organization for making final decisions by the Company.

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THE TECHNICAL REQUIREMENT SAMPLE
on performance of a public technological and price audit of the investment
project

Moscow
2024

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1. Terms and definitions

Investment project - an object of investment activity that has a justification for economic or other feasibility (including increasing the reliability of operation and development of the UNEG, the safety of the operation of the UNEG, the delivery of power from power plants and ensuring the id connection of consumers), the volume and timing of capital investments, including the necessary design and other documentation developed in accordance with the legislation of the Russian Federation, as well as a description of practical actions for making investments.

Customer: Rosseti Centre, PJSC: a technical customer, initiator of an investment project or a person authorized by him, initiator of a public technological and price audit of an investment project.

Contractor - an independent expert organization that carries out technological and price audits of investment projects.

The Council of Consumers of the Company's Services - an expert collegial body created by an internal organizational and administrative document of the Company and representing the interests of all consumer groups, public associations and associations of the business community on the implementation by the Company of the development strategy of the electric grid complex of the Russian Federation.

The Council of Consumers of Services of PJSC Rosseti - an expert collegial body representing the interests of all consumer groups, public associations and associations of the business community on the implementation of PJSC Rosseti's strategy for the development of the electric grid complex of the Russian Federation in accordance with Order of PJSC Rosseti dated 01.11.2023 № 481.

Technological audit of an investment project - conducting an expert assessment of the rationale for choosing the designed technological and design solutions for the creation of a capital construction project within the framework of an investment project for their compliance with the best domestic and world construction technologies, technological and design solutions, modern building materials and equipment used in construction, with taking into account the requirements of modern production technologies necessary for the operation of a capital construction project, as well as operating costs for the implementation of an investment project during the life cycle in order to increase the efficiency of use of funds, reduce costs and decrease construction time, and increase the competitiveness of production.

Price audit of an investment project - conducting an expert financial and economic assessment of the value of the investment object for its compliance with standards, the cost of comparable objects, market prices, taking into account the results of the technological audit procedures of the investment project and comparative analysis of the cost of the project with analogues and best practices, as well as analysis of changes in the cost of the object at different stages of the project (if it changes compared to the previous stage (s)).

Investment program (hereinafter - the Program) - a set of all investment projects planned for implementation or implemented by the Company, their main characteristics and funding volumes. The Program is drawn up for a period the duration of which complies with the requirements established by the legislation of the Russian Federation on the electric power industry to the duration of the next long-term regulatory period of the Company. The Program is formed taking into account the regulatory legal acts of the Russian Federation and is approved in accordance with the legislation of the Russian Federation.

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2. The basic standard legal acts, which are a basis of accomplishment of work

2.1. Directives of the Government of the Russian Federation dated 30.05.2013 № 2988-P13.

3. The purposes of accomplishment of work

3.1. Confirmation of efficiency of the investment project by criteria of economic and technological expediency.

3.2. Development of offers to increase efficiency of the investment project, including:

- optimisation of capital and operational costs;
- optimisation of technical solutions;
- optimisation of terms of realisation of the investment project.

4. Terms of accomplishment of work

4.1. Term of accomplishment of work on carrying out of technological and price audit of the project, which is at the first or second stage of realisation (points 5.1.2.1 and 5.1.2.2 of this technical requirement sample), is no longer than 30 calendar days from the moment of provision of initial data in full by the Customer.

4.2. Term of accomplishment of work on carrying out of technological and price audit of the project, which is at the third or fourth stage of realisation (points 5.1.2.3 and 5.1.2.4 of this technical requirement sample), is no longer than 60 calendar days from the moment of provision of initial data in full by the Customer.

4.3. The beginning of accomplishment of work - within 5 working days from the date of conclusion of the agreement.

4.4. Intermediate terms of accomplishment of work (terms of stages of work) are specified in the Schedule (Appendix # __ to the Agreement).

5. The initial data

5.1. For the work performance the Customer gives a complete set of documents and materials under the investment project, necessary for performance of a public technological and price audit (hereinafter - the initial data).

5.1.1. Before accomplishment of work the Contractor together with the Customer holds a kick-off meeting, which defines:

- the list, possibility and terms of provision by the Customer of the initial data;
- necessity of carrying out by the Contractor of additional work on data gathering;
- the list of responsible persons on the part of the Contractor and the Customer indicating the position, full name, contact numbers, email address.

Based on the results of the kick-off meeting, minutes are drawn up.

5.1.2. The Customer performs transfer of the initial data to the Contractor or justifications on their absence depending on a stage of realisation of the investment project, namely:

5.1.2.1. First stage of realisation of the investment project - development of the feasibility report, the business plan of the investment project:

- the main technical solutions;
- copies of the primary documents proving accepted technical solutions (orders of the Government of the Russian Federation, grid connection execution agreements, confirmation of actual loading and reliability of operation of the existing equipment and so forth);

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- calculation of an estimated cost of the investment project;
- the business plan of the investment project;
- cost efficiency calculation.

5.1.2.2. Second stage of realisation of the investment project - preparation of the design-budget documentation for the subsequent passage of state expert appraisal of the investment project:

- a report on results of carrying out of technological and price audit at the first stage (in case of carrying out of technological and price audit at the first stage);
- a technical requirement on designing;
- design-budget documentation;
- initial permissive documentation.

5.1.2.3. Third stage of realisation of the investment project - accomplishment of civil and erection work on realisation of the investment project:

- a report on results of carrying out of technological and price audit at the first and (or) the second stages (in case of carrying out of technological and price audit at the first and (or) the second stages);
- design-budget documentation;
- reports and conclusions about carrying out of the state or internal examination of the design-budget documentation;
- the documentation, developed (being developed) at preparation and tendering for selection of a contracting organisation on accomplishment of civil and erection work;
- the register and copies of concluded construction, supply and service contracts;
- the executive documentation on the project;
- the documentation constituted at acceptance of executed work and making settlement payments for performed work;
- the accounting documentation on the cost accounting on the construction.

5.1.2.4. Fourth stage of realisation of the investment project - the facility commissioning as a result of realisation of the investment project:

- a report on results of carrying out of technological and price audit at stages 1-3 (in case of carrying out of technological and price audit at stages 1-3);
- design-budget documentation;
- reports and conclusions about carrying out of the state or internal examination of the design-budget documentation;
- initial permissive documentation;
- the plan of reaching the design performance;
- the plan of measures for the facility maintenance;
- internal regulations and standards of a maintenance company;
- the list of planned and actual target indicators of the project, the control over their levels on conformity to target parameters of the project;
- characteristics sheets on the equipment;
- the documentation on accomplishment of starting-up and adjustment work;
- the executive documentation.

5.1.3. The Contractor estimates completeness of the initial data and justifications. If required the Contractor constitutes a list of additional initial data necessary for accomplishment of work and transfers it in the form of official inquiry to the Customer, with indication of terms of their provision.

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5.1.4. The Customer gives the additional initial data within 3 working days.

6. Scope of work

6.1. Scope of work is specified for the following stages of realisation of investment projects:

6.1.1. First stage - development of the feasibility report, the business plan of the investment project:

- determination of technical possibility of realisation of the project;
- analysis of optimality of the main technical solutions and their conformity to modern international practice;
- analysis of the business project plan and cost efficiency calculation;
- analysis of technological and market risks of realisation of the investment project;
- check of correctness of calculation of the integrated cost of the project;
- development of offers on optimisation of cost and technical solutions of the project (including offering alternative technical solutions).

6.1.2. Second stage - preparation of the design-budget documentation for the subsequent passage of state expert appraisal of the investment project:

- analysis of sufficiency and completeness of the design-budget documentation;
- analysis of conformity of technological and constructive solutions accepted in the design documentation to the requirements established in the Technical requirement on designing, and also acting normative and technical documents;
- analysis of observance of requirements of power efficiency and ecological compatibility of a facility according to technological and constructive solutions accepted in the design documentation;
- analysis of the budget documentation about correctness of its drawing up and conformity to the design documentation;
- analysis of the plan-schedule of the project;
- issue of recommendations by the Contractor, if necessary, about rework of the design-budget documentation of the project.

6.1.3. Third stage - accomplishment of civil and erection work on realisation of the investment project:

- financial - technical check of realisation of the investment project;
- check of target expenditure of means in process of construction, check of conformity of cost of the executed work to the contractual documentation, risk analysis of a deviation of the budget from the planned indicators;
- check of conformity of executed work at the facility to requirements of the design documentation and developed on its basis working documentation, technical regulations, results of engineering researches, requirements of the town-planning plan of the land lot;
- check of the budget documentation constituted at acceptance of executed work on correctness of its drawing up and conformity of the design (working) documentation;
- check of observance of regulations of power efficiency of a facility at a stage of completion of construction according to requirements of the design documentation;
- issue of recommendations by the Contractor, if necessary, about rework of the investment project.

6.1.4. Fourth stage - the facility commissioning as a result of realisation of the investment project:

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- conformity of the executed project to the confirmed design-budget documentation;
- check of target expenditure of means in process of construction, check of conformity of cost of the executed work to the contractual documentation, revealing deviations of the budget from the planned indicators;
- check of conformity of the executed work at the facility to requirements of the design documentation and developed on its basis working documentation, technical regulations, results of engineering researches, requirements of the town-planning plan of the land lot;
- check of the budget documentation constituted at acceptance of executed work on correctness of its drawing up and conformity to the design (working) documentation;
- check of observance of regulations of power efficiency of a facility at a stage of completion of construction according to requirements of the design documentation;
- issue of recommendations by the Contractor, if necessary, about rework of the investment project.

6.2. The main stages of work:

6.2.1. Stage 1. Carrying out of technological and price audit of the investment project, including, but not limited:

6.2.1.1. Expert-engineering analysis of technical solutions in the absence of the design documentation, in the presence of the design documentation and the technical solutions implemented by the contracting organisation, about availability of similar projects and solutions for the purpose of carrying out of a comparative analysis, the solutions described in the current investment project. It is possible to propose studying implementation of an alternative variant by results of technological audit of the investment project. Along with this it analyzes as follows:

- a) quality and completeness of the initial data;
- b) validity of technical and technological solutions;
- c) compliance of the adopted technical solutions with current norms and standards in accordance with the legislation of the Russian Federation, the requirements of the Customer, as well as the modern international level of technology development;
- d) the list of technological (technical) solutions and sample schemes of connection corresponding to the best available technologies, to the technical policy of the Customer, acting normative and technical and industry recommendations;
- e) presence of restrictions on used technologies, for example, whether there is some necessity to receive licences, permissions, certificates of any supervising bodies for realisation of the investment project taking into account the chosen technical solutions;
- f) necessity of attraction of highly skilled specialists for realisation of the investment project;
- g) necessity of use of certain specialised equipment. Amount of acquisition of the equipment (including special equipment, labour-saving devices, etc.) is justified. Risks connected with necessity of purchase, delivery, lease of required specific equipment, delivery terms are analyzed. Alternative variants are offered;
- h) possibilities for optimisation of the accepted technical solutions.

6.2.1.2. Identification of the main technological risks of the investment project, including:

- a) risk of not achievement of planned technical parameters of the investment project, including caused by dependence on an external infrastructure of supply and consumption;

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b) risk of increase in terms of construction.

6.2.1.3. Preparation of an expert opinion on expediency of realisation of the investment project, efficiency of technical and technological solutions taking into account the entire life cycle of the project of capital construction created within the limits of the investment project.

6.2.1.4. Revealing possibilities for optimisation of the accepted technical and constructive solutions.

6.2.1.5. Cost analysis on realisation of the investment project:

6.2.1.5.1. An expert cost estimation on the project realisation with the use of analogues and standard indicators, the analysis of conformity of cost indexes of the investment project to accepted in Russia and world practice values - check of a total cost of realisation of projects on the basis of facilities of peers.

6.2.1.5.2. Analysis of value of projects throughout their realisation (complete costs) taking into account working expenses during the facility operation.

6.2.1.5.3. Cost analysis on realisation of alternative technological solutions revealed by results of the expert-engineering analysis.

6.2.1.6. Financial and economic estimation of the investment project:

6.2.1.6.1. Calculation of indicators of cost efficiency (NPV, IRR or other confirmed criteria of accepting the investment project).

6.2.1.6.2. Analysis of conformity of the projects, included in the investment program, to the Strategy of development of the Customer and the electric grid complex.

6.2.1.6.3. Identification of the basic risks of the investment project: (operational, investment, financial, market, risk of underfinancing, risk of not achievement of planned profitability, etc.).

6.2.1.7. Expert estimation of cost indexes, including:

6.2.1.7.1. Generated on the basis of integrated calculations of cost of the construction, executed with application of Sets of consolidated indices of construction costs or with similar facilities:

a) estimation of conformity of kinds of work and physical parameters, included in the calculation, to the initial data (Technical Requirement);

b) estimation of correctness and validity of application of cost indexes, conformity of methodology of performance of calculation to the confirmed specifications and techniques;

c) estimation of validity of application of provisions, positions and appendices of the Sets of consolidated indices of construction costs, compensation and conversion factors, recalculation indexes in current prices, sizes of limited costs, coefficients considering actual conditions of construction;

d) estimation of legitimacy of accepting of a facility as analogue by checking conformity of technical and physical characteristics of the estimated project and the similar facility.

6.2.1.7.2. Generated on the basis of the design documentation:

a) assessment of the compliance of the estimate documentation developed as part of the design with the established estimate norms and rules, as well as the correctness of determining the cost of design work, including the reliability of the composition and scope of work according to sections of the estimate documentation with the volume and scope of work specified in the design documentation, design assignment, technical specifications;

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b) evaluation of estimates on correctness of their calculation, validity of application of quotations, compensation factors, recalculation indexes in current prices, rates of overhead costs and the estimated profit, the limited costs in conformity with design and contractual conditions, actual conditions of construction;

c) estimation of cost of materials and equipment, provided in the design-budget documentation in conformity with mid-market indicators for construction;

d) estimation of cost and quantities of used machines and mechanisms;

e) estimation of correctness of drawing up of the summary estimate calculation, validity of inclusion of work and costs in it.

6.2.1.8. Preparation of an expert opinion on conformity of the price of the project under the developed design documentation to market prices.

6.2.1.9. Revealing possibilities for optimisation of the accepted technical solutions and budget cost.

6.2.2. *Stage 2. Provision of publicity of carrying out of activities, including, but not limited:*

6.2.2.1. Documentation preparation about results of technological and price audit for placing on web resources of the Customer.

6.2.2.2. Representation of results of technological and price audit at events for public and expert public discussions, including to the Council of Consumers of the Company's Services / Council of Consumers of PJSC Rosseti (or another authorized body agreed upon by the customer).

6.2.2.3. Participation in public and expert public and other discussions of the Conclusion and offers developed by the Contractor.

6.3. Results of carrying out of technological and price audit.

Result of audit is a positive or negative expert judgement, containing results of technological and price audits of the investment project (hereinafter - the Conclusion), including:

a) conclusions concerning expediency of realisation of the investment project;

b) conclusions concerning efficiency of technical and technological solutions throughout the life cycle of realisation of the investment project;

c) offers on optimisation and increase of efficiency of design and technical solutions (with provision of comparative characteristics and technical solutions and indication of influence on the project cost: capital costs and operational costs at operation);

d) offers on optimisation of the investment project with a view of construction decrease in value (with provision of the specified calculations of cost), decrease in operational costs for stages of operation, decrease in terms of construction;

e) the conclusion about conformity of the price of the investment project under the developed design documentation to market prices;

f) conclusion on the presence / absence of economic payback of the investment project in various perimeters of analysis;

g) analysis of the basic risks of the investment project and development of recommendations concerning a procedure for their elimination.

7. Reporting materials

7.1. By results of public technological and price audit a set of documents consisting of the following documents is constituted:

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- the conclusion on performance of the public technological and price audit;
- the complete set of the materials necessary for provision of performance of public and expert public discussions of results of the technological and price audit of the investment project;
- the complete set of the materials necessary for providing to authorised executive authorities that approve investment programs of subjects of the electric power industry while sending a draft of the investment program (adjustment of the investment program) of the Company for the next period of planning (the current period) according to the procedure and terms established by Resolution of the Government of the Russian Federation dated 01.12.2009 № 977.

7.2. The Contractor transfers to the Customer the documents made on the paper carrier together with editable electronic copies. Use of software or hardware that does not allow editing, updating or printing of the developed documents is forbidden.

8. Requirements to acceptance

8.1. The Contractor upon completion of work sends to the Customer a set of the summary documentation with the covering letter confirming the fact of the documentation transfer.

8.2. The Customer considers the documentation sent to him within 5 working days and signs the Act of acceptance of the executed work or sends to the Contractor a reasoned refusal of acceptance of the executed work.

8.3. The Contractor within 5 working days makes changes to the summary documentation according to the sent remarks and transfers to the Customer for reconsideration.

8.4. Work is considered executed from the moment of signing the Act of acceptance of the executed work by the Customer and the Contractor.

9. Requirements at selection of the Contractor on carrying out of technological and price audit

9.1. Availability of experience on carrying out of technological and price audit for at least 7 years, including concerning at least 5 electric grid investment projects worth 8 billion rubles and more each.

9.2. Participation in accomplishment of work on carrying out of technological and price audit of at least 5 specialists having special technical education and experience in the field of technological examination of investment projects in the area of electric grid construction for at least 5 years.

9.3. Participation in accomplishment of work on carrying out of technological and price audit of at least 5 specialists having economic education and experience in the field of budget pricing and financial and economic examination of investment projects for at least 5 years.

10. Criteria of selection

The criteria of selection applied within the limits of an estimate stage of offers of Participants:

10.1. Experience on carrying out of technological and price audit for at least 7 years, including concerning at least 5 investment projects worth 8 billion rubles and more each.

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10.2. Qualification composition and availability of special technical and economic education of the Contractor's specialists planned to participate in the performance of work to conduct a technological and price audit.

10.3. Term of rendering of services.

10.4. Price of services

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