



TITLE OF THE TENDER: **“PROCUREMENT, INSTALLATION AND COMMISSIONING OF THE SIGNALLING & AUTOMATIC TRAIN CONTROL (ATC) SYSTEM AND OF THE AUTOMATIC TRAIN SUPERVISION (ATS) SYSTEM IN THE THESSALONIKI METRO EXTENSION TO KALAMARIA”**

RFP-335/18, A.Σ. 59046

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CONDITIONS OF CONTRACT



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ARTICLE 1 SCOPE

1.1 General – Extension to Kalamaria

The project of the Thessaloniki Metro Extension to Kalamaria consists in an underground line, approximately 4.77km long, that extends as an independent branch from PATRIKIOU Station (25 Martiou Street) of the Base Project up to MIKRA Station. The Project includes two single-track tunnels, 5 new Stations (Nomarchia, Kalamaria, Aretsou, Nea Krini, Mikra), 3 shafts (Kritis & Pontou Shafts and the Terminal Shaft), 3 railway crossovers and two tunnels' pumping stations at the points of minimum height along the longitudinal profile of the tunnel.

1.2 Scope of the Supply

The scope of the supply includes the design, procurement, installation and commissioning of the Signalling and Automatic Train Control (ATC) System and of the Automatic Train Supervision (ATS) System in the Thessaloniki Metro Extension to Kalamaria, including the Signalling System on the 15 new Trains of the Extension. The scope of the contract also includes any modification, upgrading or supplementary works to be required to be effected in the Signaling and Automatic Train Control System (ATC) and in the Automatic Train Supervision (ATS) System of the Base Project, as well as any modifications/additions, involving additional equipment and software, to the Signalling System and the Train Control System on the 18 trains of the Base Project.

The scope of works of the Contractor, the equipment, the materials to be delivered and the remaining works to be executed in the framework of the Contract to be concluded are described in detail in the document entitled “Technical Description”, as well as in the two documents entitled “Design, Performance, Materials & Workmanship Specifications”.

ARTICLE 2 APPLICABLE LEGISLATION

This Contract to be signed and any claims arising thereof on the occasion of this Contract by either contracting party upon appointment of the Contractor, shall be governed by the conditions of its documents and the provisions of the Greek legislation, Law 4412/16 (Volume II, Articles 222-338), as it is in effect and the Greek Civil Code. The Courts of Athens are the only competent bodies.

ARTICLE 3 DEFINITIONS

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- 3.1 Supply or Contractual Scope** means the design, the procurement, installation and commissioning of the Signalling and Automatic Train Control (ATC) System, as well as of the Automatic Train Supervision (ATS) System of the Thessaloniki Metro Extension to Kalamaria, as mentioned in more detail in the documents entitled "Technical Description" and "Design, Performance, Materials & Workmanship Specifications".
- 3.2 Agency – Owner of the Supply** is "ATTIKO METRO A.E.", which at the present Contract for brevity reasons can be referenced abbreviated as **AM**.
- 3.3 Contractor** means the economic operator(s) with whom AM shall sign a Contract for the execution of the present Supply.
- 3.4 Contract** is the written agreement between AM and the Contractor, for the implementation of the Contractual Scope, includes the Supply Agreement, as well as all documents and data mentioned in article 4 of the present C.C.
- 3.5 Contractual Delivery Period** is the deadline within which the Contractor must complete the design, procurement, installation and commissioning of the required signalling systems, and the entire contract scope
- 3.6 Time Schedule** is the Time Schedule for the execution of the Supply, which has been prepared by the Contractor and Approved by AM.
- 3.7 Contract Price or Contract Value** is the Overall Lump Sum Price (LSP) of the Contractor's Financial Offer for the overall Contract Scope, VAT excluded, as included in the Supply Agreement.
- 3.8 AM Design** is the design that ATTIKO METRO has prepared and is made up by the "Technical Description", "Design, Performance, Materials & Workmanship Specification" and the drawings of the Procurement.
- 3.9 Detailed Final Design (DFD)** means all Designs required to be prepared by the Contractor and approved by AM, including the detailed drawings, documents, calculations and other data required for the implementation of the Contract according to the relevant specifications.
- 3.10 Board of Directors (BoD) of AM** means the body that administers and represents the Company on the basis of articles 6 and 10 of the Statutes; in particular, it makes resolutions about any change in the Contract terms or other conditions thereof.

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- 3.11 Wherever in the present Contract the following terms are mentioned **"at the Contractor's expenses", "borne by the Contractor", "at the expense of the Contractor", "without any particular compensation", "without any particular fee"** it means that the relevant expenses have been included in a converted form and that the Contractor is not entitled to any additional compensation.

ARTICLE 4 CONTRACT DOCUMENTS ORDER OF PRECEDENCE

The following contractual documents complement each other. In case of conflict among them, their order of precedence is as follows:

- a. Procurement Agreement
- b. Financial Offer of the Contractor
- c. Documents entitled "Invitation to Tender" and "Clarifications Document", that may be issued
- d. Document entitled "Conditions of Contract"
- e. Document entitled "Technical Description"
- f. Design, Performance, Materials and Workmanship Specification for the Signalling and Automatic Train Control (ATC) System and the Design, Performance, Materials and Workmanship Specification for the Automatic Train Supervision (ATS) System
- g. Time Schedule
- h. Technical Offer of the Contractor.

ARTICLE 5 LANGUAGE OF THE CONTRACT

- 5.1 The official language of the present Contract is Greek. All documents, correspondence etc. to be exchanged between the contracting parties, i.e. between AM and the Contractor, must be compiled in Greek.
- 5.2 Design data of any kind and data pertaining to drawings, etc. as well as the correspondence shall be submitted to AM in Greek. The documents, which have not been compiled in Greek shall be submitted along with their translation into the Greek language. In any case, Greek shall be the binding language. Exceptionally, any information technical leaflets for materials or equipment can be submitted in English and shall be translated by the Contractor in Greek, if so requested by AM.

ARTICLE 6 CONDITIONS FOR THE EXECUTION OF THE SUPPLY

- 6.1 By signing the Contract, the Contractor accepts fully and unconditionally the information contained in the Contractual Documents and undertakes the obligation to adhere to all his responsibilities ensuing from the Contract.

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- 6.2** Should, prior to the signing of the Contract, the Contractor fail to be informed of any data regarding the execution of the works pertaining to the supply of vehicles, he shall not be released from his responsibility for the successful completion of the Supply within the framework of the offered Amount and the contractual time period for the completion of the Supply.
- 6.3** The Contractor has taken into consideration all information, data and interfaces of the Operation Control Centre (OCC) and of the Emergency Control Room (ECR) and, in general, of all interconnected and coordinated systems of the Thessaloniki Metro, the rolling stock and the operation conditions, in order to successfully implement the scope of the supply and to conduct safely and successfully the tests and the commissioning of the required systems on the extension to Kalamaria without interrupting the metro operation.
- 6.4** In order to execute the works pertaining to the testing and commissioning of the signalling system, the Contractor has taken into consideration the operating and engineering hours of the Thessaloniki Metro.
- 6.5** The Contractor should take into consideration the requirements pertaining to the coordination with other Contractor, in line with article 42 of this document.

ARTICLE 7 SPECIFICATION – CODES - STANDARDS

The Standards and Codes stipulated in the two documents entitled “Design, Performance, Materials and Workmanship Specifications” shall be applicable for the execution of the Supply.

Wherever in the above Document there is no reference to any Standards, then the Standards and Codes of the following Organizations shall be applicable:

- European Standards Harmonized with Greek Legislation
- Standards of the European Committee for Electrotechnical Standardization (CENELEC) and Standardization (CEN/EN)
- International Electrotechnical Commission (IEC) Standards and only in case of lack of the above.
- Recognized National Standards.

The standards of the aforementioned organizations cover the minimum requirements that must be met. The Contractor can adopt equivalent or superior standards to those mentioned in the Documents entitled “Design, Performance, Materials and Workmanship Specifications” or the aforementioned organizations

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and in such a case, the Contractor shall prove that these Standards are equivalent and submit three (3) copies of these standards, clarifying the differences for AM to check them.

If the standards proposed are not approved by AM, then the Contractor shall have the obligation to adopt the standards specified in the “Design, Performance, Materials and Workmanship Specifications”.

Wherever in the Documents entitled ““Design, Performance, Materials and Workmanship Specifications” reference is made to standards, codes, regulations, etc., their last release upon the date of the Offer’s submission shall be in force.

ARTICLE 8 DEADLINES – TIME SCHEDULE

8.1 Contractual Delivery Time Periods

8.1.1 The Contractor is obliged to adhere to the contractual time periods for the delivery of the required Signalling systems of the Thessaloniki Metro Extension to Kalamaria, which are calculated in **calendar days as of the Contract signing**, and are set in the following table, namely:

	Signalling System of the Thessaloniki Metro Extension to Kalamaria	Contractual Delivery Time (calendar days)
8.1.1.1	<p>Completion of the design, procurement, installation, testing and commissioning of the Signalling and Automatic Train Control (ATC) System and of the Automatic Train Supervision (ATS) System in the Thessaloniki Metro Extension to Kalamaria, including the following:</p> <ul style="list-style-type: none"> • Required connection with the OCC and the Emergency Control Room (ECR); • The interconnections with the systems involved; • The modification and upgrading of the base project <p>The modifications – additions to be made to the signaling system on the 18 train-sets of the base project, within</p>	650

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8.1.1.2	Completion of design, procurement, installation, testing and commissioning of the Signaling system on the 15 new train-sets, within	1000
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The contractual delivery time periods incorporate all activities of the Contractor related to the design, procurement, installation, testing and commissioning of the ATC & ATS signaling systems, special tools, operation manuals, training, spare parts and, in general, related to the implementation of the entire procurement, as it is described in the overall contract documents and in accordance with the requirements specified therein.

It is moreover clarified that the removal of the Contractor’s worksite equipment is included in the contractual time.

- 8.1.2 In addition, the Contract sets a partial deadline too, which is calculated in **calendar days as of the Contract signing**, and is presented in the following table, namely:

Completion and submission of the Detailed Final Designs of the required ATC & ATS signaling systems of the Thessaloniki Metro Extension to Kalamaria, at the latest within	250 calendar days
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It is stressed that in case the aforesaid deadline is violated, then a penalty of 5% shall be imposed on the contractual value of the design, which corresponds to 5% of the overall contract value.

In case the implementation of the aforesaid partial deadline delays for reasons not falling under the Contractor’s responsibility (force majeure or other significant reasons rendering on-time delivery of the signalling systems practically impossible), then the DFDs’ submission period can be extended.

The Contractor shall **mandatorily** submit a written request, prior to the expiry of the partial deadline.

Within a reasonable time period, AM shall determine the time impact on the time schedule of the Contractor’s activities and shall grant a respective extension to the partial deadline, by issuing a well-justifying resolution to be made by its BoD.

8.2 Extensions

The Contractor is obliged to deliver the ATC and ATS signalling systems of the Thessaloniki Metro Extension to Kalamaria within the

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foreseen deadline and as defined in the Contract, in line with the contractual time for the delivery of the Supply shown in article 8.1 herein. In case the execution of the works foreseen by the Supply Contract is delayed for reasons for which the Contractor cannot be held liable (force majeure or other significant reasons rendering on-time delivery of the signalling systems practically impossible), then, in this case, the contractual delivery time periods that are affected can be extended.

The Contractor shall **necessarily** submit a written request prior to the expiry of the contractual delivery time that is affected.

Within a reasonable time period, AM shall specify the impact on the Time Schedule from the Contractor's Works and shall grant an equivalent extension to the affected contractual time, by issuing a documented Resolution of its BoD.

If the contractual delivery date – affected by the aforementioned delays -as defined in article 8.1, expires without prompt submittal of a request for extension or if the deadline extended as per the above expires without delivery of the required signalling systems (without any prior new request on the part of the Contractor for extension), the Contractor shall be declared forfeited.

If the Contractual Time Periods for the delivery of the supply are extended:

- A. for reasons of force majeure or other significant reasons rendering on-time delivery of the signalling systems practically impossible, no penalties shall be imposed.
- B. in any other case where an extension to the contractual delivery time has been granted, the penalties foreseen in para. 8.3 below shall apply.

For any other issue, applicable shall be the provisions of article 206, Law 4412/16 "Delivery Date of Materials".

8.3

Penalties

The penalties imposed for overdue delivery of the Supply, as per item b above, are described below:

If the signalling systems of each section are completed by the Contractor after expiry of the contractual time and until the expiry of the extension granted, a penalty of 5% shall be imposed on the contractual value of the system delivered overdue per station.

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As concerns the calculation of the penalties, the contractual value of the systems, for the sections of the Project, which are delivered with a delay, shall derive from the corresponding percentage of each section, as presented in Table A attached hereto, on the overall offered amount, by increasing the percentage of each section by the special percentages of the required tests corresponding to this section (SIT TR).

If the Contractor has received an advance payment, in addition to the penalty foreseen as above, an interest on the advance payment amount that the Contractor has already received shall be also imposed, starting on the day following the expiry of the contractual delivery time and until the system is delivered. The penalty and the interests on the advance payment shall be collected by withholding the relevant amount from the Contractor's payment or, in case this amount is not sufficient or none, or by payment of an equal amount from the good performance and the advance payment letters of guarantee respectively, if the Contractor does not deposit the required amount.

In case of economic operators association, the penalty and interest shall be imposed on a proportional basis on all members of the association.

For any other issue, applicable shall be the provisions of article 207, Law 4412/16 “Penalties for Late Delivery of Supply”.

ARTICLE 9 SPECIFICATIONS OF THE SUPPLY TIME SCHEDULE

9.1 Based on the contractual time of delivery stipulated in article 8 of this document and within twenty (20) calendar days after signing the Contract, the Contractor shall submit to AM for approval the Detailed Time Schedule, defining the completion time of each activity and the contractual delivery times, for the completion of the Supply.

The Contractor is obliged to develop, document, process and present the time schedule, in full compliance with the time, cost, quantitative, and other restrictions and terms determined in the documents of this Contract.

The above time schedule shall be reviewed by AM within a deadline of fifteen (15) calendar days.

If AM makes comments and requires correction and re-submittal of the time schedule, then the Contractor shall resubmit it, having incorporated AM's comments, within a period of fifteen (15) calendar days after receiving AM's written notification.

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AM shall review, correct – if it deems it necessary - and approve the time schedule within a period of ten (10) calendar days after its re-submission.

In case the Contractor does not submit the time schedule in due time, in accordance with the stipulations of the Contract, or in case he fails to comply with AM's comments, then AM shall be entitled to correct and/or re-adjust the time schedule on behalf of the Contractor.

This Time Schedule, as approved by AM, shall constitute the **Approved Time Schedule** of the Supply and the Contractor shall be obliged to implement it in an undeviating manner.

- 9.2** When compiling his time schedule, the Contractor shall take into account that access to the project sites shall be provided as defined below:

Mikra Station:	380 days after contract signing
Nea Krini Station:	380 days after contract signing
Aretsou Station:	380 days after contract signing
Kalamaria Station:	380 days after contract signing
Nomarchia Station:	380 days after contract signing
Crossovers:	380 days after contract signing
Tunnel:	360 days after contract signing

Moreover, in view of interconnecting his system with the Thessaloniki Metro Base Project's system, the Contractor can work as follows:

At the OCC in Pylea Depot: 380 days after contract signing

As regards the supply of the 15 new train-sets, gradual access shall be provided to the Contractor for the execution of works on the subject trains, starting as follows:

Access for the installation of the signalling equipment on the 1st train-set in the manufacturing plant, within **650** calendar days as of the contract signing, at the latest.

It is stressed that the aforementioned periods for accessing the areas of the project constitute AM's estimate and, in case an extension to the Contractual time is required due to the non-timely delivery of those areas, neither is the Contractor entitled to additional compensation nor does the contract price increase.

- 9.3** The detailed time schedule shall be structured on the Critical Path Method (CPM) using the PRIMAVERA or MS Project software, showing each individual activity in sequence, so as to meet the contractual time.

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The time schedule shall indicate activities' duration, interfaces, commencement and completion dates, total and free floats, and the progress rates for various works. It shall also include activities, related to the preparation, submission and review by AM of all designs, supply and delivery of materials and equipment, as well as any type of tests. Apart from the supply related activities, **all activities in the time schedule shall be analysed in such a way, so that none of them last more than thirty (30) calendar days.**

The activities shall constitute distinct parts of works, which, upon once completed, they shall produce determined and recognisable parts or phases within the Contract. The activities shall be connected through relations determining, thus, the work sequence and the time schedule logic. Mandatory constraints shall not be utilised in the time schedule development and adherence thereto. The time schedule shall be in accordance with and shall depict the critical deadlines, the completion deadlines and the contractual delivery times, which shall be confirmed by the time schedule's logic and the activities' sequence.

The Time schedule shall take into account as a minimum one cycle of re-submissions for each design, namely: submission – review – re-submission – approval.

When preparing the aforementioned time schedule, the Contractor shall pay attention to the following conditions:

- In view of preparing his time schedule, the Contractor shall take into consideration that, at specific time periods, he and the Civil Works Contractor shall both utilize the E/M works areas. In addition and as required in the Project, the Signalling Contractor, as well as other AM's Contractors shall work in a simultaneous and coordinated way and shall provide one to the other complete and unobstructed access for the execution of works, always in the framework of the approved time schedule. The Contractor shall coordinate with them and schedule his activities in such a way so as not to obstruct the works executed by them;
- The coordination of designs and activities with any other Contractors;
- The fact that dates or duration of activities have been omitted from the Time Schedule shall not deprive AM of its right to define reasonable dates or durations as regards the aforementioned activities.
- As concerns the access to all technical rooms of the system in operation, and for scheduling in-time his activities, the Contractor

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ought to take into consideration all time and operational constraints, as well as the safety conditions that the system is subject to.

- At certain phases during the execution of the Contract, night shifts by the Contractor may be required. For this reason, the Contractor ought to adjust his work schedule in such a way so that, if it is required for his personnel to work in different shifts apart from the normal working hours, then no delays occur and the required works progress smoothly.

In addition, the Contractor shall submit a technical report containing a description of its time schedule for performing the works. The description shall make reference to the number of crews and work fronts, working days and hours for several activities.

The Time Schedule shall be submitted in both printed and digital form.

Along with three (3) copies of the Report and the Time Schedule, the Contractor shall also submit a CD where the detailed time schedule of the Contract shall be saved (in an editable format and not in a .PDF file).

Within the first five (5) days of each month, along with the monthly Progress Report, the Contractor shall submit in electronic format too a copy of the updated current time schedule, highlighting the actual progress as compared to the approved time schedule (in an editable format and not in a .PDF file).

It is stressed that the Contractor is not entitled to raise any claims or file any objections through the aforesaid report. AM is not obliged to take stand as regards the content of the reports; however, this does not mean that it approves or accepts them.

In case of extensions to Contractual Delivery Times, the Contractor shall submit to AM for review and approval the revised Time Schedule of the Contract, as per the extensions granted.

- 9.4** If during the execution of the Supply, delays are observed in relation to the approved time schedule at the Contractor's fault, then the Contractor is obliged to introduce all necessary measures for accelerating the works, at his judgment or in accordance with AM's suggestions. The acceleration measures foreseen in this paragraph shall be applied at the Contractor's care and expenses.

ARTICLE 10 FINANCIAL TERMS

10.1 Advance Payment



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An interest-bearing advance payment equal to twenty percent (**20%**) of the Overall Lump Sump Price is foreseen to be granted to the Contractor. The subject advance payment shall be paid upon submission of a letter of guarantee, as mentioned below. The advance payment is optional and shall be granted upon the Contractor's pertinent request.

It is stressed that the good performance guarantee covers the provision to the Contractor of an Advance Payment of an equal amount without the requirement for the submission of an advance payment guarantee. Therefore, the Contractor shall submit an advance payment guarantee for the balance between the amount of the good performance and the amount of the advance payment guarantee. The advance payment guarantee shall be compiled in line with Sample B1 or B2 attached hereto in the Greek or the English language respectively.

The collected Advance Payment shall be partially amortized in each payment certificate, with a deduction to be made from each payment to the Contractor, until the amortization of the advance payment amount.

The amount of the deduction, to be made from each certification until its amortization, shall be increased by the interest rates corresponding to the non-amortized – until that time – part of the advance payment.

The amortization of the Advance Payment to be made on each payment certificate until the amortization of the advance payment amount shall derive from the following formula:

$$\text{Total of Amortization of Payment Certificate} = A + T$$

where,

A: Partial amortization of the advance payment to be deduced from each payment to the Contractor; it is calculated in line with the following formula:

$$A = E \times \Pi (\%)$$

E: Amount of the value pertaining to the deliverables of the current account (as derives from the balance of the overall value of deliverables minus the value of deliverables of the previous account).

$\Pi(\%)$: Percentage of the Amortization= $\rho/\Sigma \times 100 \times 1.10$

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p: The amount of the advance payment; **Σ:** the part of the contract price that has not been paid yet to the Contractor when granting the advance payment.

T: Deduction of the accrued interest rates on the amount of the advance payment not amortized until that date according to the following formula:

$$T = Y \times H \times \epsilon(\%)/365$$

where,

Y: The non-amortized part of the advance payment

H: The time period needed for calculating the accrued interest rates measured in days until the date the relevant account is submitted.

It is hereby clarified that the time period needed for calculating the accrued interest rates is defined as the period extending from the date when the advance payment was collected until the submission of the 1st Payment Certificate. As far as the subsequent Payment Certificates are concerned, this time period is calculated as the period extending from the date when the previous payment certificate was submitted until the date when the current certificate is submitted.

ε(%): interest rate that equals to the applicable interest rate of the 6-month Interest-Bearing Bonds (Greek Treasury Bills), increased by 0.25%.

10.2 Payments – Accounts – Payment Certificates

10.2.1 Payments to the Contractor shall be made in line with the Percentage Allocation contained in Table A (attachment #7 of this Document).

According to Table A, the Contractor shall be compensated for each Station/Shaft against the respective percentage on the offered amount, upon completion of the design, execution of the required works, supplies, installations and SAT tests of the required systems. It is stressed that the scope of the Stations also incorporates their corresponding shafts, as shown in Table A.

The value of the System Integration Tests (SIT) and the commissioning (TR) shall be compensated upon their successful completion, in line with the respective percentages presented in Table A for extension system integration tests or for the rolling stock ATS. In case of partial delivery per station-(s) or other Project sections, the SIT and TR test percentage shall be allocated to the respective value of each section.

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10.2.2 The required back up documents foreseen for the partial payments of the Contractor are as follows:

- Accounts / Payment Certificates compiled by the Contractor and submitted to AM for review, accompanied by the approved final acceptance protocols
- Invoice of the Contractor in triplicate
- Tax and social security contributions clearance certificates, in line with the applicable provisions.

It is stressed that the Contractor shall be charged with:

- A deduction of 0.06% that will be calculated on the value of each payment pro taxes and retention of the contract, in view of covering the operational needs of the Uniform Independent Public Contracts' Authority that shall be borne by the subject Contractor article 4, Law 4013/11, as in effect). It is clarified that the amount withheld shall be charged with a 3% duty stamp and with a 20% duty stamp in favour of OGA (Agricultural Insurance Organization);
- the deduction of 0.02% in favour of the Public Sector, which will be calculated on the value, except VAT, of the initial and of any supplementary contract. This amount will be withheld from each payment by the awarding authority in the name and on behalf of the General Department of Public Contracts and Procurements. The aforesaid amount (deduction) shall be charged with the respective duty stamp and with the duty stamp in favour of OGA. The time, place and procedure for the deduction of the aforesaid amounts, as well as any other item deemed necessary for the application of the subject deduction, depend on the issuance of the Joint Ministerial Decision to be made by the Ministers of Economy, Development and Tourism and Finance – referred to in paragraph 6 article 36 Law 4412/2016;
- the deduction of 0.06% which shall be calculated on the value of each payment before taxes and retention of the initial one and of each supplementary contract in favour of the Authority responsible for the examination of preliminary appeals (article 350 paragraph 3 Law 4412/16). This deduction shall be charged with the respective duty stamp and with a the duty stamp in favour of OGA;
- any other lawful retention in favour of third parties that may arise, on the basis of the legislation.

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10.2.3 Upon approval of the final acceptance protocol, the account / payment certificate shall be submitted in five (5) printed originals, as well as in digital form.

All AM's requirements, such as penal clauses or price reductions for defects and omissions, advance payments (interest-bearing) amortizations, any lawful retention and, in general, AM's requirements that have not been satisfied in any other manner, shall be deducted from the accounts of the Contractor.

The accounts shall always be compiled on a recapitulative basis and for them to be paid, they shall always be accompanied by a summary table containing the data transmission systems per station that have been completed, as of the beginning of the Contract. The amounts paid through the preceding accounts shall be deducted from the new account and the new payable amount shall derive thereof. The Contractor shall not be entitled for submitting a new account unless AM has certified the previous one.

AM shall review the account within fifteen (15) working days as of the date of its receipt and, having verified the works for which the Contractor requests payment coincide with those of the final acceptance protocol, it shall then certify them.

If the required certificates / back up documents of the account contain ambiguities, inaccuracies or omissions, then AM shall point them out to the Contractor and instructs the re-compilation and re-submittal the Account. In this case, the prescribed 15-working day deadline commences on the date when the Contractor resubmits the Account. After review, the account is approved by AM and becomes the payment certificate for the Contractor's payment.

In view of the Contractor's payment, the accounts shall be accompanied by an invoice from abroad if the materials, equipment, spare parts, etc. are manufactured abroad and are imported in Greece or by an invoice from Greece if the above are manufactured in Greece or certain works are executed in Greece.

The invoice shall be accompanied by detailed lists giving the spare part description code in English and Greek, the measurement unit, the unit price and the value.

All payments to the Contractor deriving from this Contract shall be effected only if the invoices submitted by him are issued by a company/consortium, which has been established lawfully in Greece according to the Greek Laws, or if the invoices have been issued in a foreign country. The invoices must be fully documented, justified and accompanied by the necessary back up documents.

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AM shall pay to the Contractor the amount in the approved account within thirty (30) days as of the date when the invoices were received, provided that these Invoices are accompanied by the aforementioned required lawful documentation.

The payments shall be effected via a remittance, as regards imports in the name of AM, at the Contractor's expenses, via checks for invoices issued by the Contractors established in Greece. The provision of receipt is necessary for the payment.

The currency to be used for the Contractor's payment shall be EURO.

10.3 Good Performance Guarantee

10.3.1 Upon signing the Contract, the Contractor deposits a Good Performance Guarantee **equal to 5% on the amount offered by the Contractor in his Financial Offer**. The Good Performance Letter of Guarantee to be issued by the Contractor **shall be compulsorily in accordance** with Samples A1 and A2 attached to these CC, in Greek and in English respectively. In case of a Consortium, the Letter of Guarantee must be common in favour of all its members.

The Letters of Guarantee shall be issued by credit or financial institutions, or Insurance Companies in the sense of cases b' and c' of paragraph 1, article 14 of Law 4364/2016, operating lawfully in Greece or in any other member - state of the European Union (EU) or the European Financial Area (EFA) or in member – states which have signed the Public Procurement Agreement with the World Trade Organization (WTO). They can also be issued by T.M.E.D.E. or they can be provided through a check issued by the Trusts and Loans Fund with a deposit of the respective amount to the subject Fund.

10.3.2 The GPLoG shall guarantee, in its entirety and without any discretion whatsoever, the due, complete, flawless and timely execution of the Contractual Scope with strict adherence to the requirements, specifications, terms and conditions of the Contract. The aforementioned Guarantee covers all requirements of AM before the Contractor regarding the infringement of a contractual term, undue fulfilment of the contractual terms, or, finally, AM requirements arising from the imposition of a penal clause to the detriment of the Contractor. However, the Guarantee does not exhaust the liability of the Contractor to compensate AM in case the latter suffers losses, exceeding the amount of the Guarantee.

AM retains its right to require at any time, through a written statement addressed to the Issuing Bank, the Paying of the entire amount of the Good Performance Letter of Guarantee or a part of it, in order to meet

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its claims against the Contractor ensuing from this Contract due to the Contractor's non adherence to the contractual obligations.

10.3.3 Should the Contract Price be increased for any reason whatsoever due to the increase in the Contract Scope, then, prior to the Supplementary Contract signing, the Contractor shall provide a supplementary Good Performance Guarantee, amounting to **5%** on the additional Contract Price.

10.3.4 All Letters of Guarantee shall be issued and maintained in favour of AM, at the Contractor's sole cost and expenses. Letters of Guarantee shall be explicit, irrevocable, unreserved and payable upon AM's first request; they shall be issued by reliable, recognized Banks, acceptable by AM as self-debtors and principal debtors, they shall be deliverable and payable in Athens, shall be governed by the Greek Legislation and shall be subject to the exclusive jurisdiction of the competent Courts of Athens for the settlement of any disputes that may arise regarding Guarantees.

10.3.5 AM shall examine the validity of the subject Letters of Guarantee.

10. 4 Good Operation Letter of Guarantee

The Contractor shall be responsible for the good operation of the scope of the supply. During the warrantee period, the Contractor shall proceed to the maintenance and the repair of every damage / fault, in line with provisions of article 17 herein.

Upon final acceptance, a good operation letter of guarantee must be simultaneously submitted, that would satisfy the requirements of the warrantee operation duration. The subject guarantee amounts to 10% on the amount offered by the Contractor in his Financial Offer.

10.5 Release of Good Performance, Advance Payment and Good Operation Letters of Guarantee

Good Performance/ Advance Payment Letters of Guarantee shall be delivered to the Contractor following the final quantitative and qualitative acceptance and commissioning of the Supply. In case of partial acceptances, Good Performance/ Advance Payment Letters of Guarantee shall be gradually released by the amount corresponding to the value of the finally accepted part of the quantity.

In no case shall the remaining amount of the letters of guarantee at AM's possession be less than the non-amortized amount of the advance payment.

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Gradual release of the Letters of Guarantee is subject to prior opinion of the responsible Acceptance Committee and to the approval of AM's BoD.

If this Protocol includes remarks or in case of late delivery, then the letters of guarantee are returned on condition that the remarks and the overdue delivery have been addressed as specified. The release of the subject letters of guarantee call for the submission of the good operation letter of guarantee.

The good operation letter of guarantee shall be released upon the approval of the acceptance protocol of the guaranteed operation by AM's BoD.

ARTICLE 11 DESIGNS

- 11.1** Upon the Contract signing, the Contractor must proceed with the compilation of the Detailed Final Design according to the provisions of the Contractual Documents, and more specifically the “Technical Description”, the “Design, Performance, Materials and Workmanship Specifications” and the Drawings of the Supply.
- 11.2** The Contractor shall be exclusively responsible for any deficiencies in the Detailed Final Designs, to be prepared by him, resulting from his omission to timely request information and details regarding the execution of the Supply.
- 11.3** In order to review the Design and express its relevant comments on it, as this (the DFD) will be gradually submitted, AM shall have a deadline of thirty (30) calendar days following the submission of each design.
- 11.4** If any errors, deficiencies and inconsistencies are found during the said review, as compared to the provisions of the contractual documents, then the aforesaid DFD shall be returned for correction.
- 11.5** Within twenty (20) calendar days following the receipt of AM comments, the Contractor is obliged to resubmit the design for approval by AM, who, in its turn, must re-examine it within twenty (20) calendar days after its receipt.
- 11.6** If the above deadlines are overrun by AM, it will be examined if this has an impact on the time schedule of the Supply. In this case, the eventual extension to the deadlines shall be determined by AM based on the Contractor's relevant report, wherein the Contractor shall justify in detail the impact of these delays on the time schedule of the Supply, as well as the measures to be introduced to mitigate this impact.

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- 11.7** The aforesaid designs shall be submitted in seven (7) sets (one original and six copies) and one (1) additional set in digital form, as per AM's instructions.
- 11.8** All expenses required for the compilation of the Detailed Final Design, including all engineering activities of the Contractor, shall be converted into the price of his offer and, thus, the Contractor shall not be entitled to any extra fee.
- 11.9** All works to be executed based on the aforesaid designs are included in the Contractual Price, while AM shall not accept any alteration to this Price on account of any corrections made during the approval of the Designs by AM.
- 11.10** It is stressed that the approval of the DFD, calculations and drawings by AM shall not release the Contractor from his responsibilities deriving from the Contract and does not constitute in any way acceptance of the efficiency and soundness of the design.
- 11.11** The Contractor shall not be permitted to execute any work relating to the manufacturing, supply and installation of the signalling systems on the extension to Kalamaria prior to the approval of the respective design by AM.
- 11.12** The evaluation of the Technical Offer, as well as the Contract signing shall not entail the acceptance of any terms conflicting with the requirements of the tender documents, while the Contractor, when preparing the design, has to comply with the specifications and requirements of the Contract Documents.
- 11.13** The Contractor has examined at his own care and responsibility the entire content of the data and documents constituting AM's General Final Design, including the assumptions and pre-conditions based on which this GFD has been prepared, and he has accepted it in full and without any reservations.

ARTICLE 12 WORKS CONSTRUCTION DIARY

- 12.1** The Contractor shall maintain a Work Construction Diary in the areas where activities will be performed. In the Diary, the Supervising Engineer of AM shall be entitled to write down any remarks regarding the works under execution and can request the recording of other data related to this Supply.
- 12.2** It is noted that in the Work Construction Diary, the Contractor shall record only information and data regarding the works for the installation of the system and not any of its contractual positions. The

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contractual positions of the Contractor shall be transmitted to AM through regular correspondence.

- 12.3** The Contractor is obliged to hand over to it a signed copy of the Work Construction Diary.

ARTICLE 13 PROGRESS REPORTS

In case there are deviations from the approved time schedule or in case AM deems it advisable, then the Contractor shall submit to AM a progress report in four (4) copies. The purpose of the report is to give a clear picture of the work progress, to record adherence or non-adherence to the approved time schedule of the Supply and the reasons for any deviations, as well as to depict the action plan for the recovery of delays - if any.

ARTICLE 14 CONTRACT ADMINISTRATION - SUPERVISION OF WORKS BY AM

The Contract administration by AM, the supervision of its works, as well as its acceptance shall be carried out through the relevant advisory bodies, to be set by AM's BoD. More specifically, AM's BoD shall appoint the Supervision Department of the Contract and the responsible Acceptance Committee, and shall notify them in writing to the Contractor upon the Contract signing.

The Supervision Department of the Contract shall be responsible for monitoring and checking the proper implementation of all contractual terms and the implementation of the Contractor's obligations from the signing of the contract up to the expiry of the warranted operation. Moreover, this Committee shall provide its expert opinion about every issue that arises from the Contract, especially in case of extensions to deadlines, if any, modifications to the Contract and forfeiture of the Contractor. The monitoring of the execution of the Contract does relieve the Contractor from his lawful and contractual responsibilities, nor does it reduce these responsibilities. The Contractor is obliged to comply with AM's written instructions regarding the flawless, complete, timely and workmanlike implementation of the Supply. More specifically, the Supervision Department shall be responsible for the approval of advance payments, the approval of the payment certificates and for the approval of the designs, as per the contractual stipulations.

The Acceptance Committee of the contract shall be responsible for all issues related to the acceptance of the physical scope of the contract up to the expiry of the warranted operation. More specifically, it shall perform the final acceptances, shall prepare the respective protocols,

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as well as the protocol of warranted operation, and shall provide its expert opinion for their approval by AM's BoD, as well as for the release of the Letters of Guarantee.

Note that the Acceptance Committee witnesses the tests and commissioning concurrently with the Supervision Department, in order to collect all data required for the preparation of its protocols.

- 14.1** The Supervision Department shall appoint and notify the Contractor in writing of the supervisor and his/her assistants who will monitor the executed works.

The responsibilities of the aforesaid supervisors, as described above, will indicatively and not restrictively be as follows:

- 14.1.1 Strict adherence to the approved designs and strict fulfillment of the contractual terms,
- 14.1.2 Quantitative and qualitative monitoring of the works under execution, in accordance with the time schedule of the supply,
- 14.1.3 Entry in the Project Diary, which is kept by the Contractor, of any comment made with regard to works under execution.
- 14.1.4 Checking the accounts, in view of making partial payments to the Contractor.

- 14.2** Should AM fail to proceed to the quality control of the works under execution or should it fail to identify any defect to the works, the Contractor shall not be released from his contractual obligations nor will this prevent AM from requiring the correction of the defective work and/or its rejection.

- 14.3** The documents pertaining to the Contract shall be communicated by the authorized representative of the Contractor to the Supervision Department through a letter and vice versa. Each letter shall be transmitted at the address of the contracting party included in the Contract. The date of the document's receipt by AM shall be the date when the letter was received from the Document Control Centre of AM, which shall be verified by the respective DCC stamp on the said letter. Instructions about the type of letters shall be provided to the Contractor after the Contract signing.

- 14.4** The fact that AM supervises the works in no case does it release the Contractor from any of his liabilities ensuing from his contractual obligations and the applicable Legislation, nor does it imply that there is any employer's or his sub-contractor's liability.

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ARTICLE 15 CONTRACTOR’s PERSONNEL

- 15.1** Upon signing the contract, the Contractor shall declare to AM the name of his attorney, the address of his head offices in Athens, as well as the responsible personnel working therein. More specifically as regards the specialized personnel to be employed in the upgrading / amendment of the already installed equipment, this personnel must be certified and possess the necessary experience on the subject equipment.
- 15.2** The “Contract” Manager, who shall be a graduate Engineer with at least 10-years of experience in the Contract scope, shall take over his duties within twenty (20) calendar days upon signing of the contract at the latest. The Contract Manager shall appoint the Contractor’s Responsible Person on site the Project, who must assume his duties prior to the commencement of the Contract works.
The appointment of both persons mentioned above shall be notified to AM and be approved by the Supervision Department
- 15.3** The “Contract” Manager and the Contractor’s Responsible Person on site the Project shall be fully authorized by a proxy to represent the Contractor in technical issues. The same proxy shall also include a statement of these persons, whereby they accept their appointment and responsibilities.
- The “Contract” Manager and the Contractor’s Responsible Person on site the Project shall be responsible for the workmanlike, flawless and safe performance of works and for the introduction and implementation of the required measures for the safety and protection of personnel and any third party during the execution of the Supply against any damage caused to works and structures of third parties. In addition, he shall be responsible for the tests and the commissioning of the contractual scope.
- 15.4** It is explicitly determined that the Contractor is liable before AM for the acts and omissions of the “Contract” Manager or the Contractor’s Responsible Person on site the Project. The service of the aforesaid persons shall be valid throughout the execution of the Contract. For their substitution, AM must provide its prior explicit written approval.
- 15.5** AM, at its absolute judgment, may not grant its approval for the aforesaid persons if it deems that they does not possess the required qualifications and experience or are not suitable for the said position.
- 15.6** In addition, AM is entitled to request that the Contractor to remove any of his employees deemed inappropriate for the safe and flawless manufacturing, commissioning and attending the tests of the

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signalling systems, whose behavior towards AM's personnel or third parties was also considered improper.

In these cases, within a 10-day period upon the communication of AM's resolution, the Contractor has to propose another person.

- 15.7** It is explicitly defined that the appointment of the aforementioned persons does not release the Contractor from the responsibilities and obligations, the Contractor always remaining exclusively liable before AM.

ARTICLE 16 DELIVERY - ACCEPTANCES

The procedure related to the final acceptance takes place prior to any payment certificate, according to the allocation shown in Table A (attachment #7 hereto) and the stipulations about Payment Certificates of article 10.2.1 herein. It is clarified that the final acceptance can take place in three complete stages. At the first stage, each Project section included in Table A can be accepted after the completion of the design, the required works, supplies, installation and SAT testing, the second stage includes the acceptance of the systems of each section after the completion of the integration tests, while the third stage includes the commissioning of all systems falling under the Contract (TR Trial Operation).

The system is accepted by the Acceptance Committee appointed by AM's BoD. The Contractor is obliged to inform in writing the Acceptance Committee and the Supervision Department about the completion of the relevant works and tests for the acceptance of the systems, depending on the acceptance stage, and invite the Committee to perform the final acceptance. Within twenty (20) days after the communication made by the Contractor and provided that no deviations are ascertained, the Acceptance Committee shall draft the Final Acceptance Protocol to be approved by AM's BoD.

The Acceptance Committee can:

- i. accept the signalling systems
- ii. accept the systems with remarks due to deviations from the technical specifications of the Contract
- iii. reject the systems.

In case the Acceptance Committee ascertains that there are deviations which do not affect the suitability and safe operation of the systems and which are deemed to be of minor importance, then the Contractor is obliged to replace them within a reasonable time period, if possible. If the Acceptance Committee accepts the systems with remarks, it shall record in the relevant protocol the deviations of the

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systems from the terms of the contract and it shall formulate its justified opinion on whether the system is suitable or not for its intended use. In case, the Committee deems that the system is suitable for its intended use, then, upon justified resolution of AM's BoD and further to the opinion of the Acceptance Committee, the system can be utilized and its acceptance can be approved with or without reduction on the contract price.

Otherwise, if in AM's opinion the deviations of the system affect its suitability and it cannot be used, i.e., they are essential, then AM shall request the Contractor to remedy the subject deficiencies within a reasonable deadline. If these deficiencies are not remedied, the system's acceptance can be rejected by AM's BoD justified resolution, issued on the basis of a relevant opinion expressed by the Acceptance Committee.

In the above cases where systems were rejected or were accepted with reduction of the contract price, based on audits conducted by the First Degree Acceptance Committee, materials can be audited by a Second Degree Acceptance Committee.

Referral to the Second Degree Acceptance Committee as per the above is subject to the Contractor's relevant request or *ex officio* by AM. The Second Degree Acceptance Committee shall carry out again all audits foreseen by the Contract and shall draft the relevant Acceptance or Rejection protocol, adhering to the same procedure.

The request for re-examination of the system by a Second Degree Acceptance Committee shall be filed by the Contractor within a mandatory deadline of twenty (20) days after the communication of the relevant resolution.

Protocols drafted by the First or Second Degree Acceptance Committees are necessarily communicated to the Contractor.

If the Contractor disagrees with the results of the laboratory tests conducted for acceptance by the First or Second Degree Acceptance Committee, the Contractor may request in writing an appeal inspection, in line with article 208, Law 4412/16. The verdict of the appeal inspection is binding and final for both parties.

In case the Contractor does not comply, then article 32 herein applies.

The contract scope may be set in revenue service only after its final acceptance or the acceptance of any independent parts thereof by AM as per the above.

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Upon the approval of the Final Acceptance Protocol, the Supply related risk shall be transferred to AM, with the exception of the risk pertaining to any damage due to the Contractor's liability, who shall remain responsible for this damage until expiry of the warranted operation. Upon expiry of the warranted operation, by virtue of articles 6.9.2 and 6.9.3 of the Greek Civil Code, the Contractor shall be liable for any risks that may derive due to erroneous design, inherent defects and materials' failure.

ARTICLE 17 GOOD PERFORMANCE WARRANTY

17.1 The **warranty period** during which the Contractor is fully responsible for the Supply and the good performance of the Signaling Systems (BACS) is **defined to three (3) years** as of the final acceptance of the entire scope or its independent parts.

During the warranty period, the Contractor's obligations are defined as follows:

- a) Correction, repair, refurbishment of defects, bad workmanship, faults and construction defects and omissions of the hardware & software caused by the Contractor.

The spare parts and the works required to correct deficiencies and bad workmanship, in view of ensuring good operation of the system throughout the guarantee period shall be provided by the Contractor, shall constitute his responsibility and their cost, including transportation cost, shall be borne by the Contractor.

- b) Supply and availability of warrantee spare parts, according to the stipulations in the Design, Performance, Materials and Workmanship Specifications
- c) Supply and availability of the special tools, required for the repair and maintenance, as well as the testing diagnostic equipment.
- d) Technical support. The technical support shall consist in the constant presence on site and shall be provided by at least one (1) Specialized Technician with a ten-year experience in the maintenance of signalling systems and by at least of two (2) Experienced Assistants, each with a five-year experience in the maintenance of signalling systems, who must be available immediately. The Specialized Technician and the Assistants shall repair the faults that may occur to the system, the

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software and the hardware during the 3-year warranty period. The above Technical Staff of the Contractor shall possess the experience and the abilities required, in order to be able to identify by themselves and handle any fault related to the System and its Equipment concerning the OCC and the Stations, so as to restore operation in case of failures.

The related costs, transportation expenses and any other expenditure related to the services to be offered by the Contractor in the framework of the warranty period of the required systems of this Contract shall be borne by the Contractor.

- e) Assistance in fault finding and troubleshooting activities regarding serious faults, which jeopardize operation. The maintenance response time, i.e. the time between receiving the call for maintenance support from STASY's authorized maintenance leader and arriving on site during the period of revenue service shall be no longer than one (1) hour.

17.2 The procedure to be implemented with regard to the repair of defects and damage occurring during the operation of the systems throughout the warranty period is as follows:

- a) AM issues a work instruction, which concerns the rectification of fault/defect and records fault related data (such as type, location, time), as well as the assessment of the Maintenance Service with regard to the cause of the fault/defect. The instruction is copied immediately to the Contractor by AM.
- b) The Contractor, upon receipt of the work instruction, proceeds immediately with the necessary activities for the rectification of the fault/defect and provides the required spare parts and personnel, without any additional financial burden to AM.
- c) If the Contractor, after receiving AM's work instruction, fails to meet immediately his contractual obligations regarding the rectification of the fault/defect, then AM shall proceed with the necessary corrective actions on his behalf and at his cost, reserving all its rights as per the provisions of the Contract and Article 33 herein.

17.3 With regard to the equipment of the required systems and the components that have been either repaired or replaced during the guarantee period, **their good performance warranty period is extended by a six (6)-month period after the expiry of the warranty period.**

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- 17.4** The Contractor shall accept full responsibility for the DFD as regards efficient operation, satisfactory performance in service and compliance with the requirements of the Specification during the Guarantee Period.

During that period should the equipment or any component or individual system or software item thereof, fail repeatedly and does not operate or perform, as stipulated in the Specifications, then such failure shall be deemed to be a DFD failure.

In this case, the remedy of the failure by the Contractor shall include modification to the design of the associated components, of the equipment or software or systems and any associated removal and re-installation work, as well as the general application of the remedy to such other like components or systems, wherever this is necessary. The relevant expenses shall be borne by the Contractor.

- 17.5** **During the three-year Warranty Period, the Contractor also bears the responsibility for the preventive (scheduled) maintenance for a period of twelve (12) months** upon final acceptance of the entire scope or its independent parts. The maintenance expenses associated to this time period shall be borne by the Contractor. The preventive maintenance shall include the establishment of a shifts program on a weekly basis for the Contractor's maintenance personnel, as regards his maintenance and repair work groups, the supply and installation of the required consumable spare parts, as well as the training of the personnel. For the remaining 24-month period, AM or the Maintenance Department of the Operation Company– if any - shall be responsible for the preventive maintenance and its cost shall be borne by same. During the execution of the works relating to the scheduled maintenance, the Contractor is obliged to provide his services for the optimal maintenance, in accordance with the Operation and Maintenance Manual and the Illustrated Part Lists that he has submitted.

ARTICLE 18 SPARE PARTS

The Contractor shall be responsible for the supply of all spare parts of the Contract to AM, as these are described in the Contract Documents.

18.1 Main spare parts of the Supply

The scope of the Contract shall include the Supply of the Main Spare Parts, which relate to the entire Supply, as these are defined in the Documents entitled "Technical Description" and "Design, Performance, Materials and Workmanship Specifications". The

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delivery of the main spare parts of the Supply shall be implemented and completed proportionally prior to the commencement of the trial running of each independent part.

18.2 Warrantee Period Main Spare Parts

The contract scope of the Supply shall include the Warrantee Period Main Spare Parts required throughout the three-year warrantee period of the Supply for the correction of any faults, defects, bad workmanship and other deficiencies, which are due to the Contractor. The Contractor shall assume the responsibility and the expenses for storing the warrantee period main spare parts and shall be exclusively responsible for their availability.

18.3 Warrantee Period Consumable Spare Parts

The scope of the Contract shall include the Supply of the warrantee period consumable spare parts, which are subject to wear or “contamination” during the operation of the systems, and, therefore, the replacement of which is required at specified time intervals to ensure smooth operation throughout the three-year warrantee period.

The type and the frequency for replacing the consumable spare parts falling under the warranty period shall be in compliance with the stipulations of the Documents entitled “Design, Performance, Materials and Workmanship Specifications”.

18.4 The cost of the all the aforementioned spare parts, deliverable at AM warehouses in Athens, is included in the Lump Sum Price of the Contractor’s Offer.

18.5 The Contractor shall guarantee that all necessary spare parts shall be at the disposal of AM for a period of 25 years from the expiry of the warrantee period for the entire Contract Scope.

18.6 Throughout the warrantee period, the Contractor shall be exclusively responsible for the availability of the spare parts and materials for the purpose of the maintenance and good operation of the systems of the contract. The available spare parts’ stock during the warranty period shall cover the Supply needs for a time period of at least one (1) year.

18.7 Upon completion of the construction of the entire Supply and prior to the completion of testing and commissioning, the Contractor shall submit to AM a list of proposed spare parts for the Contract Scope operation to be covered for a time period of three years after the expiry of the warrantee period. The list in question shall cover main and consumable spare parts with reference to the maximum guaranteed lead time from the day on which the order is placed.

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- 18.8** The three-year guarantee of the contract scope shall cover the total of the main spare parts stored in AM's warehouses. Should a defective material be found upon its use, it shall then be immediately replaced by the Contractor.
- 18.9** The Contractor shall organize the list of spare parts in such a manner so that AM is able to use the spare parts codification based on the computer aided system for the management of spare parts. The electronic system for the management of spare parts itself does not constitute part of the scope of the Project.
- 18.10** The Contractor shall submit a complete list containing all special tools, required for the maintenance and repair of the scope of the Supply. The number of the tools shall be approved by AM, based on the pertinent functional analysis to be handed over.

ARTICLE 19 SOFTWARE

The Contractor shall provide AM with non-exclusive and irrevocable software licences, standards, codes, drawings, etc. to be provided in the framework of this contract, for the operation, maintenance and upgrading of the systems within the boundaries of the Greek State and for a period of fifty (50) years, without the obligation to pay intellectual property rights to the Contractor, the present document serving as a transfer and cession of the above rights.

In particular and in the framework of exercising the above rights ceded to it, AM is entitled to use without the permit of the Contractor the software of the equipment or the system, in order to cover any future operational needs that may derive.

All the aforementioned rights can be exercised either by AM or by the Maintenance Department or by a third party to whom AM or the Maintenance Department shall cede the maintenance of the system.

ARTICLE 20 TRAINING

The Contractor shall submit a detailed training program for the Training of the Maintenance Department's and AM's personnel. This program shall be valid upon its approval by AM. The trainees shall be selected by AM.

The Contractor shall be responsible for the proper training of the Maintenance Department's /AM's personnel and guarantees the correct execution of the training programs and tasks. The participants in the training courses shall be selected by AM.

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ARTICLE 21 QUALITY ASSURANCE AND QUALITY CONTROL

- 21.1** Within thirty (30) days upon Contract signing, the Contractor must submit for AM's review the documentation of the Quality Management Plan, as well as a Test and Inspection Plan/Quality Plan.

Within thirty (30) days, AM shall return to the Contractor the aforementioned submissions with remarks, if any. The Contractor must incorporate the revised versions of the Quality Management Plan and the detailed Quality and Inspections Plan.

Any revisions of the aforementioned documents shall be submitted to AM for approval.

- 21.2** Quality control shall be performed on the Contractor's responsibility and at his expense.

- 21.3** The relevant regulations and criteria, dictated by the required standards concerning the equipment, materials and the quality of the work, are mentioned in the contractual documents. In the Quality Plan all the requirements of these regulations and the criteria should be taken into consideration.

The overall materials, components and complexes falling under the Field of the European Directives (e.g. about low voltage (LVD), electromagnetic compatibility, etc.) shall necessarily bear the CE mark, which shall be proved through the appropriate accompanying documentation.

- 21.4** The Contractor can suggest alternative standards equivalent to the required standards offering products of relevant quality that he shall use, provided that they are approved by AM.

- 21.5** The Contractor shall be responsible for the quality of all materials, equipment and systems that he will construct or purchase as well as for the quality of the works under construction.

For this reason, he should submit the following Plan:

Inspection Plan in the areas where the System will be installed:

Quality Control and Inspection Plan to be conducted in the areas where the System will be installed. The Control Plan shall be covered by all control, inspection and tests procedures defined by the Contract.

- 21.6** The Quality Control Plan should include the following basic data, which must be completed and updated with additional information as

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frequently as necessary for the quality requirements to be met. In particular,

- 21.6.1 Samples of the suggested quality control documents, printed tests and printed reports.
- 21.6.2 List of materials and works that AM shall control at the different manufacturing stages, together with control procedures, types of tests and their frequency.
- 21.6.3 Complete manufacturing, quality control, etc. procedures.
- 21.7** As far as quality control is concerned, detailed and updated data should be kept in a suitable form concerning the materials and the equipment that have been ordered, delivered, found defective etc. during the execution of the works. Additional data will be submitted, according to the conditions of the Contract and the approved quality plans. The Contractor's drawings, as well as the data that shall be submitted, should be in accordance with the relevant specifications of the contractual documents.
- 21.8** The quality control plan that will be suggested by the Contractor and approved by AM, will be followed throughout the validity period of the Contract, unless otherwise approved and instructed for specific issues. The results of the controls shall appear in bound documents with duplicate numbered pages.
- 21.9** However, adherence to all the aforementioned procedures does not release the Contractor from the responsibility for the good quality of the built-in materials and the complete, safe and flawless execution of the supply.

ARTICLE 22 REJECTION OF MATERIALS – REPLACEMENT

In case of final rejection of the overall quantity of materials or part thereof, based on AM's resolution following the expert opinion of the agency concerned, approval can be granted for the replacement of this quantity by another expert opinion subject to the terms of the Contract within a fixed deadline set through this resolution.

If the aforementioned replacement takes place after the expiry of the contractual time, the deadline set for this replacement cannot exceed $\frac{1}{2}$ of the overall contractual time and the Supplier is considered overdue and is subject to penalties due to overdue delivery.

If the Supplier does not replace the rejected materials within the set deadline and provided that the contractual time has expired, the Supplier is declared forfeited and is subject to the foreseen penalties.

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As to the remaining issues, applicable are the stipulations of article 213 of Law 4412/16.

ARTICLE 23 SUB-CONTRACTORS

- 23.1** If following contract award, a section of the contract is assigned to a sub-contractor, the Contractor shall submit for approval to AM the name, the communication details and the legal representatives of his sub-contractors before sub-contractors commence to execute works. AM shall verify that the reasons for disqualification of sub-contractors do not apply, in line with articles 73 and 74 of Law 4412/16, as well as that the proposed sub-contractor satisfies the qualifications required for the execution of the part of the project that he undertakes. To this end, any sub-contractors notified after contract award shall submit to AM the required certificates and the remaining relevant back-up documentation. As to the remaining items, the provisions of article 336, Law 4412/16 apply.
- 23.2** Awarding a section of the contract under the form of sub-contracting work to third parties does not release the Contractor in any way whatsoever from his responsibilities or obligations nor does it give rise to a relationship between AM and the Subcontractors/Suppliers.
- 23.3** The Contractor shall be solely and exclusively responsible for the adherence on the part of the sub-contractor/supplier of the terms and conditions of this Contract and shall not be released from his responsibilities or guarantees as regards any part of the works under execution by his sub-contractor/supplier.
- 23.4** The Contractor shall not be entitled – in any case whatsoever – to award to sub-contractors/suppliers contracts representing a percentage over 50% of the overall value of the contract and, thus, the determination of the scope to be awarded on a sub-contracting basis is required.

ARTICLE 24 OPERATION & MAINTENANCE MANUALS

- 24.1** The Contractor shall deliver the Operation and Maintenance Manuals prior to the completion of tests and the commissioning of the systems, in accordance with the Approved Time Schedule.
- 24.2** The final acceptance of the Scope of the Supply calls for the delivery of the Operation and Maintenance Manuals, as these are foreseen in the Documents entitled “Technical Description” and “Design, Performance, Materials and Workmanship Specifications”.

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Non-submission of the aforementioned information, as well as all the “As Built” Drawings, constitutes a reason for AM not to Accept the Supply.

ARTICLE 25 TESTS – COMMISSIONING

25.1 As required by the stipulations of the tender Documents and the other contractual terms, the Contractor shall carry out the required tests and shall commission the systems of the contract.

For this work, the Contractor shall prepare time schedules, as well as programs related to the required procedures.

The exact test and commissioning dates shall be brought to AM’s knowledge prior to their commencement.

25.2 All tests shall meet the requirements, which are determined and are considered necessary in order to ensure the “commissioning” foreseen by the Contract. The test results shall be submitted by the Contractor based on the approved methods and the stipulations of the documents.

The Contractor shall provide proper instructions, including the Maintenance and Operation Manuals, rendering feasible the future operation and maintenance of each component by AM’s personnel.

ARTICLE 26 CONTRACTOR’S LIABILITIES

26.1 The Contractor must implement the overall Contract Scope, in accordance with the terms of the Contractual Documents. The Contractor is solely responsible for the completeness, quality, durability, performance and good operation of the system, as well as the equipment and the materials composing the aforementioned systems, as well as for the flawless and workmanlike implementation of the Contract scope.

26.2 During the execution of the Contract, the Contractor is fully responsible for any damage, loss or wear that will be caused to the equipment, material or works related to the Supply.

26.3 The Contractor shall bear exclusively both civil and penal responsibility for any harm or death that may be caused to the persons engaged in the execution of the “Supply”, or to third parties at any place where the Contractor exercises his activities regarding the said Supply. Therefore, the Contractor should take all the necessary safety measures in view of preventing such events.

26.4 The Contractor is solely and exclusively responsible for the design he

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has prepared and selection of the equipment, materials and the system, as well as for their proper utilization in view of materializing the scope, as per the Contract terms.

- 26.5** The Contractor shall be obliged to complete the Supply timely and to execute all works required for the materialization of the Supply adhering to the Approved Time Schedule.
- 26.6** The Contractor remains exclusively responsible for adherence to the terms and requirements of this contract by his suppliers and for his relations with them.
- 26.7** There is no dependence relationship between AM and the Contractor, his personnel or his suppliers.
- 26.8** Should AM is obliged to pay any compensation for reasons due to the aforementioned causes, then this amount shall be withheld from the amounts due to the Contractor or the Contractor's guarantees.
- 26.9** Should materials, equipment, systems or work methods, software or any other items be utilized for the implementation of the Scope, these are covered by patent licenses, while the relevant license and expenses to obtain the rights to use these rights shall be borne by the Contractor.

ARTICLE 27 INSURANCE

27.1 General

Without any limitation to his obligations and responsibilities deriving from the Contract and the Legislation in force, the Contractor shall insure the personnel to be engaged in the Project, the machinery, the materials, the Supply itself, as well as the civil liability that may result from the Contract or due to the Contract, at his own care and expense based on the legislation in force and the provisions of this article.

The insurance company (-ies) to be selected by the Contractor must be well-recognized and solvent, and to be able to provide the required coverage for the entire insurance period.

The insurance company must be seated in any country of the European Union, of the European Financial Area (EFA).

In case the insurance company is not seated in Athens, the said company should either have a certified office - branch in Athens - or appoint an attorney-at-law in Athens, as per the provisions of article 142, paragraph 4 of the Code of Civil Procedure.

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The certification of the insurance company (-ies) concerning the insurance coverage of the contract should be submitted by the Contractor to AM within a 5-day period prior to the Contract signing, for checking purposes. The original insurance policies shall be submitted by the Contractor within a 15-day deadline upon the Contract signing, along with the proof of payment of the first installment of premiums. The insurance policies must necessarily comply with the terms of this article.

The insurance policy (-ies) of third party civil liability that may be required for covering the Contractor against third party liability, due to the execution of maintenance and repair works by the Contractor and within the framework of his other contractual obligations, shall be submitted to AM by the Contractor fifteen (15) calendar days prior to the commencement of the respective works related to maintenance, repair, etc.

Insurance of personnel

The Contractor has to insure in the IKA – ETAM and the remaining social security organizations all the personnel employed by him, as well as the work crew personnel, in the execution of the Contract, who may be engaged in the contract related works under any capacity and any contractual relationship. In all circumstances the Contractor is obliged to insure the subject personnel; otherwise, he shall not be entitled to utilize same for the contract.

The Contractor is obliged to insure in an insurance company the aforementioned personnel (both the local and the international staff) against accidents if the personnel in question is not falling within the provisions about mandatory insurance, covering, thus, his employer's liability.

27.2 Insurance of Contract Scope

The Contractor is obliged to insure the scope at the following stages of the execution of the Contract:

- a) At the **transportation Stage** of the equipment of the systems foreseen by the contract from the country or manufacturing place to AM's facilities in Athens. The said draft insurance policy must be submitted to AM for review at least two (2) months prior to the first shipment. Clause A' (Institute Cargo Clauses A-ALL RISK), including the Institute War Clauses Cargo and the Institute Strikes Clauses Cargo shall be valid in the insurance policy, with the note that any transshipment shall also be covered. The relevant original insurance policy should be submitted to AM at least one month prior to the first loading.

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- b) **From the arrival of the first equipment** item at AM's premises in Athens until the Approval of the Final Acceptance Protocol. The draft of the above insurance policy must be submitted to AM for approval within a two (2) month-period before the arrival of the equipment at AM's premises in Athens. The original insurance policy must be submitted to AM at least five (5) working days prior to the first arrival of the equipment.

The scope of the insurance shall consist in the overall value of the Contract scope (Signaling systems, spare parts, tools, services, etc.), including any supplements, revisions and/or re-adjustments (plus or minus) to the Contract price.

27.3 **Insurance of the Project against all risks** from the arrival of the first item of equipment at AM's facilities up to the approval of the Final Acceptance Protocol.

The **scope** of this insurance is as follows:

The total value of the Contract, inclusive of any Contract supplements and/or adaptations. The Contractor is obliged to request the insurance Company to re-adjust the insured capital, according to the actual value of the Contract valid each time, and the Insurance Company waives its claim for under-insurance right. This insurance coverage shall be provided against any loss, damage or destruction, partial or total, due to or caused by any reason [i.e. *force majeure*, earthquakes, accident during transportation, accidental incidents, as well as erroneous design and/or production/assembly of materials (MANUFACTURER'S RISK), defective materials, erroneous work etc.] except for the risks normally exempted and not covered by the usual insurance policies AGAINST ALL RISKS (e.g. war, invasion, rebellion, popular uprising, revolution, seizure, pollution by radiation or ionizing radiation etc.).

The Contractor shall not be responsible to be insured for any indirect damage, such as foregone profits, loss of use, etc., **caused to the Supply Agency** by the execution of the Contract.

The insurance policies mentioned in the above paragraphs (a) and (b) should be concluded in the name of both the Contractor and AM.

Duration of insurance: The insurance company's liability commences upon the arrival of the first item of equipment at AM's installation areas in Athens and expires upon the approval of the Final Acceptance Protocol. The aforementioned insurance policy AGAINST ALL RISKS shall be submitted by the Contractor to AM, as per the stipulations of paragraph 28.3.b.

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For AM to ensure its requirements against the Contractor in relation to the amounts that it has already paid to him, the Contractor ought to request that his insurance company includes the following special term in the insurance policy:

- "In case of partial or full destruction or damage of the scope:

For the insurance company to pay to the Contractor the relevant compensation for the damage, it must have previously received the written consent of AM for this purpose.

In case AM does not provide to the insurance company the said consent, automatically and without further formulations (special or other kind of order or authorization from the Contractor), the claim of the Contractor against the insurance company for the payment of the relevant compensation is ceded to AM and the insurance company accepts henceforth and is obliged to pay the relevant compensation to AM, following AM's request to this end.

The transfer of the Contractor's claim to AM does not release him in any way from his responsibilities and obligations deriving from the Contract.

It is agreed that any amount not insured or not recovered by virtue of the aforementioned insurance policy AGAINST ALL RISKS, is covered by the Contractor according to his responsibilities deriving from the Contract".

27.4

Third Party Civil Liability Insurance, from the arrival of the first item of the equipment at AM's installation areas up to the expiry of the warranted operation period.

1. The **scope** of this insurance is to cover the Contractor's Third Party Civil Liability and the Insurance Company ought to pay compensation sums to third parties for bodily injuries, moral distress or moral damage and material damage to movable or fixed property caused during and on account of works related to tests and commissioning, maintenance, repair of damage and various other arrangements, whenever these are implemented and provided that they are carried out within the framework of the Contractor's contractual obligations.

Insurance duration: The Insurance Company's liability shall commence upon the arrival of the first item of equipment at AM's installation areas and ends upon expiry of the warranted operation period.

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2. The **indemnification limits** of a third party civil liability insurance policy are defined per incident as follows:

- a) For **material** damage, direct or indirect, to third party property, irrespective of the number of any third parties who have suffered damage:

€ 1,000,000

- b) For **bodily** injury or death of third parties **per individual and per accident**

€ 400,000

- c) For **bodily** injury or death of third parties after a **group** accident, irrespective of the number of the injured parties:

€ 1,000,000

- d) **Highest** liability limit of insurers throughout the duration of the insurance coverage

€ 1,500,000

3. This insurance policy shall include the following **special** terms as well:

- a) AM, its overall personnel, any of its consultants and their personnel, are regarded as third parties, according to the terms and the exceptions of Cross Liability.

- b) The insurance company ought to refute any case raised against the Contractor or AM and their personnel if the injury or damage involved is due to an act or omission of the above personnel, which is covered by the third party civil liability insurance policy.

The draft insurance policy for third party civil liability shall be submitted by the Contractor to AM two (2) months prior to the delivery of the first item of the equipment to AM. The original Third Party Civil Liability Insurance Policy, which is required for the coverage of the civil liability of the Contractor due to the execution by the said Contractor of works or any other relevant arrangement and within the framework of his remaining contractual obligations, shall be submitted at least within five (5) working days prior to the aforementioned deadline.

4. The Contractor is obliged to insure AM's employees, its consultants and their personnel who will travel to the country

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where the Project's equipment will be manufactured in view of monitoring the works of the Contract, from the moment they depart AM's premises up to their return to these premises and throughout their staying there.

27.5 Mandatory Terms

The Insurance policies must necessarily include the following terms:

- a) AM shall be co-insured.
- b) Explicit reference must be made to the fact that the term “Contractor” includes any kind of personnel engaged in the subject project under any type of labor relationship with the Contractor, as well as the sub-contractors and the sub-suppliers of the Contractor.
- c) The insurance policies in question cannot be cancelled, modified or terminated without written notice, sent by registered mail sixty (60) days beforehand to the Contractor, as well as to AM by the insurance company.
- d) The insurance company waives its rights to raise a case against AM, its employees, its consultants, its associates and their employees, in case the injury or damage is due to an act or omission of the aforementioned persons not caused by a grave negligence.
- e) In case of total or partial interruption of the works due to the Contractor's liability, the Contractual Scope, whichever the phase it is found in, may be insured against all possible risks by AM and the insurance costs shall be borne by the Contractor.
- f) AM's liability arising from Article 922 of the Civil Code is covered (employer's liability).

27.6 General insurance terms

All insurance policies shall necessarily include the following general terms:

- a) All insurance policies referred to herein shall be submitted to AM for approval, in accordance with the special provisions of articles 28.1-28.2.
- b) In entering into all the above insurance policies, the Contractor must be conforming and be taking into account the provisions of the Laws,

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Decrees, and Regulations, etc. each time in force and effect in Greece.

- c) The Contractor should adhere to the terms stipulated in the insurance policies and compensate AM against any losses and claims that may ensue from an omission of the Contractor to comply with or meet the stipulations of the insurance policies. The insurance coverage, financial and insurance terms, exceptions, exemptions etc. provided for, are subject, in any case, to AM's final approval.
- d) The aforementioned insurance policies do not remove or limit in any way the obligations and liabilities of the Contractor, arising from the Contract, especially with regard to the exceptions, rebates, privileges, restrictions etc. provided for by the relevant insurance policies and the Contractor remains exclusively responsible for the repair of damage caused to persons and/or property even beyond the amounts covered by the above policies.
- e) In case the insurance company the Contractor concluded the above insurance policies with omits or refuses to pay (totally or partially) any damage or injury etc. for any reason or cause whatsoever, then the Contractor is exclusively responsible for the payment of the damage or injury etc. not paid in full according to the terms of this Contract and AM is entitled to deducting, from amounts payable to the Contractor, or from any kind of his guarantees, the amounts that, in its judgment, are required for the repair of the injury or damage in question.
- f) AM reserves its right to deduct from amounts payable to the Contractor any amount or render payable an equivalent amount from the Good Performance Letter of Guarantee that cannot be received from the insurance company due to exclusions, exemptions etc. according to the terms of the relevant insurance policies.
- g) In case the Contractor omits or neglects to submit for approval the insurance policies, or comply with his insurance obligations, in general, or in case the insurance policies that he will conclude are considered non satisfactory by AM, then the latter is entitled to conclude, in the name and at the cost of the Contractor, the required insurance policies and to deduct (interest-bearing and on the basis of the lawful overdue interest) the premium rate either from the amounts payable to the Contractor or by rendering payable an equivalent amount from his Good Performance Letter of Guarantee. In this case, AM shall act via an irrevocable order and on behalf of the Contractor, should this be to AM's interest.

In addition, in case the Contractor neglects or is reluctant to pay to the insurers the premium due, then AM, in view of avoiding any

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nullification of the insurance policy(-ies), shall be entitled to pay the premium to the insurers on behalf of the Contractor and to deduct same from the amounts payable to him, in line with the above.

ARTICLE 28 HEALTH AND SAFETY

28.1 GENERAL

The Contractor is exclusively and irrevocably responsible before AM to ensure that the workers, sub-contractors, consultants, representatives, his suppliers, throughout the time period that they are involved in Thessaloniki Metro in the framework of the execution of the signalling system in the Extension to Kalamaria, shall comply in all respects with the Applicable Legislation, the provisions and the regulations concerning safety, health and fire safety, as well as with AM's regulations. In case the pertinent Greek Law or the Law of the European Union does not exist, the best current practice shall apply.

The Contractor shall be exclusively responsible for adhering to the rules regarding Health and Safety of his Employees, for supervising the works, as well as for the provision of Personal Protection Equipment (PPE) to his employees.

The Contractor shall execute his works so as to always ensure health and safety of his employees, AM's and third party's employees.

AM shall bear no responsibility whatsoever for labor accidents to the Contractor's workers. The Contractor is exclusively responsible for labor accidents or damage to third party property caused by/due to his own activities or omissions.

The Contractor shall report immediately to AM any incident causing injury to his personnel or third parties or any damage to property, irrespective of severity/significance, as well as any hazardous incidents caused by his own activities or omissions.

The Contractor shall keep detailed accident and injury records and shall submit to AM a monthly summary of the accidents' statistics. The standardized form of the monthly summary of the accidents' statistics shall be in accordance with ATTIKO METRO S.A.'s sample to be provided to the Contractor at least twenty (20) working days before the commencement of the relevant works.

Any failure on the part of the Contractor to comply with the requirements set forth in this article shall be considered as a violation of the subject contract; in this case, AM shall be entitled to immediately suspend the works at the Contractor's cost until the aforesaid failure is restored.



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SYSTEM AND OF THE AUTOMATIC TRAIN
SUPERVISION (ATS) SYSTEM IN THE
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Should the Contractor receive a notification for inspection or a notification of deficiencies further to the inspection carried out by AM's Department concerned or by any State Authority, he shall immediately notify AM by transmitting copies of the relevant notifications (unless the notification has been issued by AM) and shall proceed with all necessary corrective actions, in line with the relevant requirements of AM's Department concerned or any State Authority.

AM reserves the right to proceed to any action required in order to restore any deficiency as regards Safety related issues, in case the Contractor does not see to that. In this case, the Contractor shall compensate AM immediately and in full against all expenses, borne by AM, as regards the aforesaid corrective actions.

Should an act or omission of the Contractor results in the imposition of fines to AM by any State Authority or this act or omission burdens AM with expenses related to the implementation of the applicable legislation concerning safety, then the Contractor shall pay and/or compensate AM for all the relevant costs and expenses.

The entire equipment of the Contractor should be as specified by the European Legislation and bear the CE marking, as dictated by the relevant Legislation, as well as the relevant documents (e.g. maintenance manuals) proving ability of the equipment to operate safely. The Contractor shall ensure that the equipment shall undergo all safety tests, measurements and inspections foreseen by the Law. Copies of the certificates shall be made available to AM upon request.

The Contractor shall deliver to AM the “Materials Safety Data Sheet” for all hazardous materials to be (eventually) used in the Thessaloniki Metro. The relevant approvals must be obtained for each material included in this category, every time such a material is used in the Athens Metro.

AM can require that any person who systematically violates the safety procedures, in AM's substantiated opinion, be removed from the work area. This person cannot return to the work area without AM's prior written consent.

It is advisable that the Contractor provides the employees with work clothing labeled with the Contractor's name.

The Contractor must substantiate that each employee has completed the check-up **before** starting the works and before he has completed the training and has been supplied with the required PPE.

The Contractor shall appoint a qualified representative to the Health and Safety Inspection Authority to act as Safety Technician as per

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Law 3850/2010 and Presidential Decree 17/96. The Safety Technician, who, among his other duties, shall attend the safety related meetings with AM. The Safety Technician shall necessarily have at least five (5) years of proven experience on safety related matters. If the Safety Technician comes from an Independent Protection and Prevention Service (ΕΞΥΠΠ), then he shall have five (5) years of proven experience. The announcement to the local Labour Inspection Authority of the assignment of duties to the Safety Technician shall be made prior to the commencement of the works by the Contractor and further to AM's approval.

The Contractor shall fulfill the requirements of the current legislation about the provision of services of the Occupational Doctor, if required.

The Contractor shall provide to AM full access to all relevant files (e.g. accident investigations, accident statistics, omission reports, etc.) and documentation (training, certificates, measurements, evaluations, maintenance manuals, etc.). AM reserves the right to carry out onsite inspections or detailed checks whenever deemed advisable.

All Contractor's obligations are transferred unchanged and apply to his sub-contractors and/or work crews too that may be engaged in the Thessaloniki Metro.

28.2 HEALTH AND SAFETY PLAN (HSP) AND HEALTH AND SAFETY FILE (HSF)

At least twenty (20) working days prior to the commencement of the construction works, the Contractor shall submit to AM the Health and Safety Plan (HSP) and the Health and Safety File (HSF) for the specific project. AM shall review the above within a period of 10 working days.

An integral part of the HSP is the Professional Risk Assessment Study. Any supplementary submission of modifications or additions to the HSP must be made prior to the commencement of any works, which pre-suppose the submission and acceptance of the subject additions and modifications. If, at any time, the HSP is considered, per AM's reasonable judgment, insufficient, or if it is required to revise or modify it to ensure the safe execution of works, or the protection of all workers and visitors, AM can instruct the Contractor to revise the HSP and the Contractor shall submit the revised HSP to AM for review within ten (10) working days.

Any additional modifications or additions to the HSP must be submitted prior to the commencement of works presupposing the submission and acceptance of these additions and modifications. Should, at any given time, the HSP is considered insufficient, based

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on AM's reasonable and substantiated opinion, or revision or modification thereof is required for ensuring safe execution of works or protection of all employees and visitors, then AM can instruct the Contractor to revise and resubmit the HSP to AM for review within ten (10) days.

The Contractor shall implement the principles and the procedures provided for in the HSP, as well as any modification or additions to it which have been accepted by AM and shall ensure that the proper personnel shall undertake its implementation.

The Contractor is obliged to update the HSF with all necessary data for the file to be complete. The completeness and accuracy of the HSF constitutes an integral part in view of the acceptance of the Project by AM.

ARTICLE 29 ADHERENCE TO LAWS, POLICE REGULATIONS - ISSUANCE OF PERMITS

- 29.1** Throughout the execution of the works and tests pertaining to the Supply, the Contractor is obliged to comply with the laws of the State where works are performed, the decrees and regulations, the police regulations or orders, as well as all lawful requirements of any public, municipal or other authority referring and applying to any means to the Contractor and his works related to the progress and completion of the supply.
- 29.2** The Contractor, being responsible for adhering to laws etc., is obliged to inform AM immediately on the orders addressed or copied to him throughout the execution of the works and the documents of the various authorities with regard to the indicated measures of control, safety etc.
- 29.3** In addition, the Contractor is obliged to issue, at his own care, responsibility and expenses, any permit foreseen by the above Laws, decrees etc. and required for the execution of his works. Prior to the submittal of any request of the Contractor related to the above permit, AM shall be informed, in order to provide its concurrence and accord for the issuance of the said permit. AM will assist and support the Contractor in obtaining the necessary permits, without being liable for any delays.

ARTICLE 30 TAXES, DUTIES, CONTRIBUTIONS, RETENTION

The Contractor shall pay all taxes, contributions and duties of any kind related to the Contract, which are currently in effect or may to be imposed during the Contract's execution period, except VAT to be borne by AM. AM shall not be responsible for the aforesaid taxes,

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contributions and duties of any kind. The Contractor shall be obliged to pay the above taxes, contributions and duties even if they are imposed in the name of AM, being liable before AM for any relevant expenditure or damage that AM may suffer due to the Contractor's omission to fulfill his aforesaid obligation.

ARTICLE 31 CONTRACTOR'S FORFEITURE

31.1 The Contractor is declared forfeited further to AM's BoD Resolution in the following cases:

1. If the provisional contractor to whom the contract was awarded does not show up within the deadline set to sign the pertinent contract.
2. If the Contractor does not deliver the systems or if he does not replace them or if he does not repair them or maintain them within the contractual time or within the time extension that was granted to him.
3. If the Contractor does not fulfil his contractual obligations or if he does not comply with the written instructions of the Service, which are in accordance with the Contract or with the applicable legislation.

31.2 The Contractor is not declared forfeited, as far as the award or assignment or the contract are concerned in the following cases:

1. If the contract was not signed under AM's responsibility or if the system was neither delivered nor replaced nor maintained within the contractual time or within the time extension that was granted to him under AM's responsibility.
2. Due to force majeure.

31.3 The following penalties shall be imposed to the Contractor who has been forfeited, as far as the award or assignment or the contract are concerned, by virtue of AM's BoD Resolution, further to the opinion expressed by the Supervision Department, which mandatorily, calls upon the Contractor to provide explanations. The subject penalties are the following:

- a) Overall payment of the performance or good operation letter of guarantee of the contract on a per case basis;
- b) Collection of the advance payment with interest that was granted to the forfeited Contractor.

ARTICLE 32 OWNERSHIP OF THE SUPPLY – COPYRIGHT – OWNERSHIP OF

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INDUSTRIAL PROPERTY

- 32.1** The contractual price also includes transference to AM of the right to use all Contractor's and his /Suppliers' copyrights, which are incorporated into this Supply.
- 32.2** AM is entitled to unobstructedly exercise all powers ensuing from the copyrights, in the framework of its statutory purpose, to make them further available for improvement, upgrading, modernization, operation and maintenance of the signalling systems.
- 32.3** The contractual price also includes, at no additional cost further to the payment of the contractual price, the transference to AM, for a period of fifty (50) years, of the right to use any patent product, or utility model or any product of industrial property produced or utilized by the Contractor in the framework of this contract, to the extent, in the manner and with the means that AM deems appropriate in the framework of its statutory purpose, while the present document serves as a written proof of the transference of these Contractor's rights to AM.
- 32.4** It is forbidden to the Contractor or to any third party – to be employed by the Contractor - within the framework of the contract, to use, reproduce or allot to third parties in any way and for any reason whatsoever the material that he has produced or used exclusively for this Supply, either the Project Owner took delivery of it or not, without AM's prior written permit.
- 32.5** The Contractor must, each time he delivers to AM any work incorporating intellectual rights or constituting a product of a third party's industrial property, provide AM with a written evidence issued by that third party creator, whereby the Contractor received the right to use, in the framework of this Supply and transfer its rights over to AM, to the extent, in the manner and with the means required, aiming at the operation, maintenance and upgrading of the system. AM bears no responsibility before the third party creator. In case the Contractor does not undertake the aforementioned actions, then it is assumed that he himself is the beneficiary.
- 32.6** The Contractor has to state to AM the name of the sub-contractor/supplier to be placed on the material/equipment/system. In case the Contractor fails to make that statement, it will be presumed that the material/equipment/system belongs to the Contractor.
- 32.7** In case of a breach of the Contractor's obligations, which are all regarded to be essential, AM shall be entitled to claim compensation for each damage it incurs as a result of the action or omission of the Contractor's.

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- 32.8** As to the remaining aspects, any one of them not otherwise regulated by this document, collaterally applicable are the provisions of Law 2121/93 for the protection of intellectual rights, as this has been amended and is in force, as well as the provisions of the Greek Legislation concerning the protection of industrial property.

ARTICLE 33 COMPENSATION FOR PATENT AND COPYRIGHT

With this document, the Contractor assumes the responsibility to assist, defend and compensate AM, as well as its representatives, from and against all claims, damage and expenses, should any idea, product, design, equipment, material, software and source code, procedure, lawfully registered material or confidential information or any part of the above, etc., offered in the framework of the present contract, constitute violation of a pattern or a copyright or a lawfully registered material or stealing of commercial secrets.

ARTICLE 34 UTILIZATION OF COMPUTER TECHNOLOGY BY THE CONTRACTOR

- 34.1** All data, which, in line with the contract documents, the Contractor is obliged to deliver throughout the duration of the contract up to its final acceptance of the scope of Supply by AM, shall be delivered in an electronic format too, in accordance with the technical instructions issued by AM.
- 34.2** The deliverables that must be handed over in electronic form, as well as the electronic "format" of the delivered files, shall be as specified below, not limited to that:
- 34.2.1 Any type of text (reports, letters, etc.) shall be in Microsoft **Word 2007** or newer release (and/or in compatible "format").
- 34.2.2 Any type of tables (reports, statistics, diagrams) shall be in Microsoft **Excel 2007** or newer release.
- 34.2.3 Any type of construction drawings shall be in **dwg** files (AutoCAD 2007 or newer) and the respective software for electrical drawings.
- 34.2.4 Flow charts, charts or other type of drawings apart from construction drawings shall be in MICROSOFT **Visio 2007** files or newer release.
- 34.3** Any designs or special calculations must also be delivered in an electronic format if they come as the result of using specialized computer software. The delivery shall not contain only the results but all necessary data based on which AM would be in a position to create

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a similar work environment in its own computer in order to further process the designs or calculations.

- 34.4** If the Contractor uses software, which is not used by AM, but nevertheless this software can export in a format used by AM, then the Contractor is obliged to deliver the files in that specific format of AM.
- 34.5** In addition, in case AM uses specialized software for various designs and calculations and the Contractor is contractually obliged to deliver relevant information during the Project, then these data shall be delivered in a format that can be processed in this specialized software.

ARTICLE 35 PUBLICITY AND ADVERTISEMENT - CONFIDENTIALITY

The Contractor shall not proceed with any announcement and shall not notify in any manner whatsoever any information about the Contract to any third party, agency, legal entity, official body, etc., without the prior explicit written consent of AM.

Throughout the validity period of this Contract, as well as upon its expiry, the Contractor assumes the obligation to keep confidential and not to inform third parties without the prior explicit written consent of AM, any documents or information he received while fulfilling his obligations and providing his services based on this Contract.

The Contractor shall not proceed to any announcement, shall not take any photographs and shall not communicate any information concerning the Contract to the public, the press, any natural or legal entity or to any official body etc., unless he has previously received the explicit written consent of AM.

ARTICLE 36 PROHIBITION FOR SUBSTITUTION

The Contractor shall not be entitled to be substituted for the entire or a part of the Supply, without the previous explicit written consent of AM.

ARTICLE 37 PARTICULAR OBLIGATIONS OF THE CONTRACTOR FOR OVERTIME, NIGHT WORK AND WORK DURING DAYS OFF AND HOLIDAYS

It is permitted to carry out overtime or night work and work during days off and holidays, according to the stipulations of the Greek Laws and the remaining provisions that have been published in execution thereof. In case of executing such works, the Contractor is not entitled to ask for additional compensation. During the execution of such works, the Contractor is obliged to secure the relevant permits and

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comply with all Laws and provisions, such as police regulations, other regulations, etc. pertaining to such works. Should AM consider that overtime or night work or work during days off and holidays is necessary, The Contractor is obliged to proceed to the execution of the above-mentioned activities working overtime or during nights or during days off and holidays without receiving any particular compensation.

The Contractor is obliged to execute all works required for the materialization of the Supply within the contractual deadline without being entitled to any additional compensation for any overtime or night work or work during days off and holidays.

During the execution of night work, the Contractor is obliged to provide at his expense additional and satisfactory illumination for the safety of his personnel and third parties and of the property in general, as well as adequate means allowing the proper and flawless execution of the works.

The Contractor should take into consideration the legislation in force concerning the noise pollution in the areas where the Supply related works are executed and the resting hours when scheduling the execution of the works. During resting hours and night hours, executing works causing disturbance should be avoided; if these works are necessary, then adequate measures should be taken so that no disturbance is caused during resting hours.

ARTICLE 38 CONTRACT AMENDMENT

In case the Contract needs to be amended, the provisions of article 337, Law 4412/2016 are in effect.

ARTICLE 39 SYSTEM's COMPATIBILITY

The Contractor shall ensure full compatibility of the signalling systems with the current systems.

ARTICLE 40 FORCE MAJEURE

In case the Contractor invokes *force majeure*, he shall then be obliged within a 20-calendar day period, as of the date that the incidents constituting the *force majeure* took place, to report them in writing and submit to AM the pertinent evidence.

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ARTICLE 41 ADMINISTRATIVE APPEALS DURING THE CONTRACT EXECUTION – RIGHT FOR UNILATERAL TERMINATION OF THE CONTRACT

- 41.1** Against the decisions imposing penalties to him by virtue of articles 203, 206, 207, 213, 218 and 220 of Law 4412/16, the economic operator is entitled to file an appeal for reasons of legality and essence before ATTIKO METRO S.A. within a thirty (30)-day mandatory deadline, as of the date when he was informed about the relevant decision. AM's BoD shall make the relevant resolution on the aforesaid appeal.

The subject Resolution cannot be disputed via another administrative appeal of any nature.

- 41.2** During the execution of the Contract, AM reserves the right to proceed with the unilateral termination of the Contract in the cases and under the conditions foreseen in article 338 of Law 4412/16.

ARTICLE 42 COORDINATION – COOPERATION OF CONTRACTORS

- 42.1** The coordination between the Contractor of this Contract and the remaining AM's Contractors – as regards interface related issues – shall be effected through AM during the design, construction, supply, installation, testing and commissioning phases of the system and equipment. However, it is the Contractor's responsibility to identify and request clarifications as regards interface related issues within the time float foreseen by the Approved Time Schedule, as well as to provide information regarding these interface related issues.

The Contractor is obliged to participate effectively in the meetings to be held by AM whenever this is required, aiming at promoting the implementation of the works, the time schedule for their execution, the exchange of information for the resolution of issues pertaining to the Supply and, mainly, for interface related issues.

Any direct communication among AM's Contractors shall not be binding for AM. The Contractor shall submit in writing to AM his requests, recommendations or remarks – if any - regarding his cooperation and the coordination of his works with the remaining AM's Contractors.

- 42.2** AM reserves the right to request the Contractor, within the framework of the approved time schedule of the Supply, to execute his works in such a manner and sequence, so as to minimize the interfaces with the works of the remaining AM's Contractors and the Contractor shall be obliged to comply with the above.



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ΥΠΟΔΕΙΓΜΑ Α1

ΕΓΓΥΗΤΙΚΗ ΕΠΙΣΤΟΛΗ ΚΑΛΗΣ ΕΚΤΕΛΕΣΗΣ

Εκδότης (Πλήρης επωνυμία Πιστωτικού Ιδρύματος /
Τ.Μ.Ε.Δ.Ε.

Ημερομηνία έκδοσης

Προς: (Πλήρης επωνυμία Αναθέτουσας Αρχής/Αναθέτοντος Φορέα¹)

.....
(Διεύθυνση Αναθέτουσας Αρχής/Αναθέτοντος Φορέα)²

Εγγύηση μας υπ' αριθμ. ποσού ευρώ³.

Έχουμε την τιμή να σας γνωρίσουμε ότι εγγυόμαστε με την παρούσα επιστολή
ανέκκλητα και ανεπιφύλακτα παραιτούμενοι του δικαιώματος της διαιρέσεως και
διζήσεως μέχρι του ποσού των

ευρώ.....⁴

υπέρ του:

(i) [σε περίπτωση φυσικού προσώπου]: (ονοματεπώνυμο, πατρώνυμο)

....., ΑΦΜ: (διεύθυνση)

....., ή

(ii) [σε περίπτωση νομικού προσώπου]: (πλήρη επωνυμία), ΑΦΜ:

..... (διεύθυνση) ή

(iii) [σε περίπτωση ένωσης ή κοινοπραξίας:] των φυσικών / νομικών προσώπων

α) (πλήρη επωνυμία) ΑΦΜ: (διεύθυνση)

β) (πλήρη επωνυμία), ΑΦΜ: (διεύθυνση)

γ) (πλήρη επωνυμία), ΑΦΜ: (διεύθυνση)

(συμπληρώνεται με όλα τα μέλη της ένωσης / κοινοπραξίας)

ατομικά και για κάθε μία από αυτές και ως αλληλέγγυα και εις ολόκληρο υπόχρεων
μεταξύ τους, εκ της ιδιότητάς τους ως μελών της ένωσης ή κοινοπραξίας, για την

¹ Όπως ορίζεται στα έγγραφα της σύμβασης.

² Όπως ορίζεται στα έγγραφα της σύμβασης.

³ Ολογράφως και σε παρένθεση αριθμητικώς.

⁴ Όπως υποσημείωση 3.



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καλή εκτέλεση της σύμβασης **"(τίτλος σύμβασης)"**, σύμφωνα με την (αριθμό)
..... Διακήρυξη της Αττικό Μετρό Α.Ε..

Το παραπάνω ποσό τηρείται στη διάθεσή σας και θα καταβληθεί ολικά ή μερικά χωρίς καμία από μέρους μας αντίρρηση, αμφισβήτηση ή ένσταση και χωρίς να ερευνηθεί το βάσιμο ή μη της απαίτησής σας μέσα σε πέντε (5) ημέρες από την απλή έγγραφη ειδοποίησή σας.

Η παρούσα ισχύει μέχρις ότου αυτή μας επιστραφεί μαζί με έγγραφη δήλωσή σας ότι μπορούμε να θεωρήσουμε την Τράπεζα μας απαλλαγμένη από κάθε σχετική υποχρέωση εγγυοδοσίας μας.

Σε περίπτωση κατάπτωσης της εγγύησης, το ποσό της κατάπτωσης υπόκειται στο εκάστοτε ισχύον πάγιο τέλος χαρτοσήμου.

Βεβαιώνουμε υπεύθυνα ότι το ποσό των εγγυητικών επιστολών που έχουν δοθεί, συνυπολογίζοντας και το ποσό της παρούσας, δεν υπερβαίνει το όριο των εγγυήσεων που έχουμε το δικαίωμα να εκδίδουμε.

Η Εγγυητική Επιστολή θα είναι εισπρακτέα και πληρωτέα στην Ελλάδα και οποιαδήποτε διαφορά επ' αυτής θα υπόκειται στην αποκλειστική δικαιοδοσία των αρμόδιων Ελληνικών Δικαστηρίων της Αθήνας κατά το ελληνικό δίκαιο.

(Εξουσιοδοτημένη Υπογραφή)



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SAMPLE A2

GOOD PERFORMANCE LETTER OF GUARANTEE

Issued by (Full name of the Credit Institution)

...../ TMEDE

Date of issuance:.....

To: (Full name of the Awarding Authority / Agency¹)

.....

(Address of the Awarding Authority / Agency²)

.....

Our Guarantee no. against the amount of euro³.

We hereby declare that we irrevocably and unreservedly guarantee waiving our rights to to make use of the benefit of division and discussion up to the amount of euro⁴

in favour of:

(i) [in case of a physical entity]: (full name, father's name), Tax Payer's Number (address), or

(ii) [in case of a legal entity]: (full name), Tax Payer's Number (address), or

(iii) [in case of a Joint Venture/ Consortium]: of physical/ legal entities

a) (full name), Tax Payer's Number (address),

b) (full name) Tax Payer's Number ... (address),

c) (full name), Tax Payer's Number (address),

(fill in all members of the Joint Venture/ Consortium)

individually and for each one of the above and jointly and severally liable in their capacity as members of the Joint Venture/ Consortium for the good performance of the contract “(title of the contract)”, in accordance with ATTIKO METRO S.A. Invitation to Tender (number)”.

The aforementioned amount remains at your disposal and shall be paid in full or in instalments. Payment shall be made without disagreement, dispute or objection of any kind on our part, without examining the validity or non validity of your claim, within **five (5) days** upon receipt of your written notification.

¹ As specified in the Contract documents

² As specified in the Contract documents

³ The amount of the Letter of Guarantee is written in full and in numbers in brackets.

⁴ See footnote 3



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The present guarantee shall remain valid until it is returned to us along with a written statement of yours that we can assume that our Bank is free from any relevant obligation for the provision of security.

If this guarantee becomes payable, the relevant amount shall be subject to the applicable stamp duty.

We hereby certify that the amount of the Letters of Guarantee already provided, including also the amount of the present guarantee, does not exceed the threshold of the Letters of Guarantee that we have the right to issue.

The Letter of Guarantee shall be collectable and payable in Greece. Any dispute to be raised concerning this Letter of Guarantee shall be subject to the exclusive jurisdiction of the competent Courts in Athens, Greece and the Greek legislation.

(Authorized Signature)



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ΥΠΟΔΕΙΓΜΑ Β1

ΕΓΓΥΗΤΙΚΗ ΕΠΙΣΤΟΛΗ ΠΡΟΚΑΤΑΒΟΛΗΣ

Εκδότης (Πλήρης επωνυμία Πιστωτικού Ιδρύματος /
Τ.Μ.Ε.Δ.Ε

Ημερομηνία έκδοσης

Προς: (Πλήρης επωνυμία Αναθέτουσας Αρχής/Αναθέτοντος Φορέα¹)

.....
(Διεύθυνση Αναθέτουσας Αρχής/Αναθέτοντος Φορέα)²

Εγγύηση μας υπ' αριθμ. ποσού ευρώ³.

Έχουμε την τιμή να σας γνωρίσουμε ότι εγγυόμαστε με την παρούσα επιστολή
ανέκκλητα και ανεπιφύλακτα παραιτούμενοι του δικαιώματος της διαιρέσεως και
διζήσεως μέχρι του ποσού των

ευρώ.....⁴

υπέρ του:

(i) [σε περίπτωση φυσικού προσώπου]: (ονοματεπώνυμο, πατρώνυμο)

....., ΑΦΜ: (διεύθυνση)

....., ή

(ii) [σε περίπτωση νομικού προσώπου]: (πλήρη επωνυμία), ΑΦΜ:

..... (διεύθυνση) ή

(iii) [σε περίπτωση ένωσης ή κοινοπραξίας:] των φυσικών / νομικών προσώπων

α) (πλήρη επωνυμία) ΑΦΜ: (διεύθυνση)

β) (πλήρη επωνυμία), ΑΦΜ: (διεύθυνση)

γ) (πλήρη επωνυμία), ΑΦΜ: (διεύθυνση)

(συμπληρώνεται με όλα τα μέλη της ένωσης / κοινοπραξίας)

ατομικά και για κάθε μία από αυτές και ως αλληλέγγυα και εις ολόκληρο υπόχρεων
μεταξύ τους, εκ της ιδιότητάς τους ως μελών της ένωσης ή κοινοπραξίας, για την
καλή εκτέλεση της σύμβασης "**(τίτλος σύμβασης)**", σύμφωνα με την (αριθμό)

¹ Όπως ορίζεται στα έγγραφα της σύμβασης.

² Όπως ορίζεται στα έγγραφα της σύμβασης.

³ Ολογράφως και σε παρένθεση αριθμητικώς.

⁴ Όπως υποσημείωση 3.



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..... Διακήρυξη της Αττικό Μετρό Α.Ε..

Το παραπάνω ποσό τηρείται στη διάθεσή σας και θα καταβληθεί ολικά ή μερικά χωρίς καμία από μέρους μας αντίρρηση, αμφισβήτηση ή ένσταση και χωρίς να ερευνηθεί το βάσιμο ή μη της απαίτησής σας μέσα σε πέντε (5) ημέρες από την απλή έγγραφη ειδοποίησή σας.

Η παρούσα ισχύει μέχρις ότου αυτή μας επιστραφεί μαζί με έγγραφη δήλωσή σας ότι μπορούμε να θεωρήσουμε την Τράπεζα μας απαλλαγμένη από κάθε σχετική υποχρέωση εγγυοδοσίας μας.

Σε περίπτωση κατάπτωσης της εγγύησης, το ποσό της κατάπτωσης υπόκειται στο εκάστοτε ισχύον πάγιο τέλος χαρτοσήμου.

Βεβαιώνουμε υπεύθυνα ότι το ποσό των εγγυητικών επιστολών που έχουν δοθεί, συνυπολογίζοντας και το ποσό της παρούσας, δεν υπερβαίνει το όριο των εγγυήσεων που έχουμε το δικαίωμα να εκδίδουμε.

Η Εγγυητική Επιστολή θα είναι εισπρακτέα και πληρωτέα στην Ελλάδα και οποιαδήποτε διαφορά επ’ αυτής θα υπόκεινται στην αποκλειστική δικαιοδοσία των αρμόδιων Ελληνικών Δικαστηρίων της Αθήνας κατά το ελληνικό δίκαιο.

(Εξουσιοδοτημένη Υπογραφή)



**PROJECT: "PROCUREMENT, INSTALLATION
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SAMPLE B2

ADVANCE PAYMENT LETTER OF GUARANTEE

Issued by (Full name of the Credit Institution)

...../ TMEDE

Date of issuance:.....

To: (Full name of the Awarding Authority / Agency¹)

.....

(Address of the Awarding Authority / Agency²)

.....

Our Guarantee no. against the amount of euro³.

We hereby declare that we irrevocably and unreservedly guarantee waiving our rights to to make use of the benefit of division and discussion up to the amount of euro⁴

in favour of:

(i) [in case of a physical entity]: (full name, father's name), Tax Payer's Number (address), or

(ii) [in case of a legal entity]: (full name), Tax Payer's Number (address), or

(iii) [in case of a Joint Venture/ Consortium]: of physical/ legal entities

a) (full name), Tax Payer's Number (address),

b) (full name)Tax Payer's Number ... (address),

c) (full name), Tax Payer's Number (address),

(fill in all members of the Joint Venture/ Consortium)

individually and for each one of the above and jointly and severally liable in their capacity as members of the Joint Venture/ Consortium for the good performance of the contract "**(title of the contract)**", in accordance with ATTIKO METRO S.A. Invitation to Tender (number)".

The aforementioned amount remains at your disposal and shall be paid in full or in instalments. Payment shall be made without disagreement, dispute or objection of any kind on our part, without examining the validity or non validity of your claim, within **five (5) days** upon receipt of your written notification.

¹ As specified in the Contract documents

² As specified in the Contract documents

³ The amount of the Letter of Guarantee is written in full and in numbers in brackets.

⁴ See footnote 3



**PROJECT: “PROCUREMENT, INSTALLATION
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The present guarantee shall remain valid until it is returned to us along with a written statement of yours that we can assume that our Bank is free from any relevant obligation for the provision of security.

If this guarantee becomes payable, the relevant amount shall be subject to the applicable stamp duty.

We hereby certify that the amount of the Letters of Guarantee already provided, including also the amount of the present guarantee, does not exceed the threshold of the Letters of Guarantee that we have the right to issue.

The Letter of Guarantee shall be collectable and payable in Greece. Any dispute to be raised concerning this Letter of Guarantee shall be subject to the exclusive jurisdiction of the competent Courts in Athens, Greece and the Greek legislation.

(Authorized Signature)



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ΥΠΟΔΕΙΓΜΑ Γ1

ΕΓΓΥΗΤΙΚΗ ΕΠΙΣΤΟΛΗ ΚΑΛΗΣ ΛΕΙΤΟΥΡΓΙΑΣ

Εκδότης (Πλήρης επωνυμία Πιστωτικού Ιδρύματος /

T.M.E.Δ.Ε

Ημερομηνία έκδοσης

Προς: (Πλήρης επωνυμία Αναθέτουσας Αρχής/Αναθέτοντος Φορέα¹)

.....

(Διεύθυνση Αναθέτουσας Αρχής/Αναθέτοντος Φορέα)²

Εγγύηση μας υπ' αριθμ. ποσού ευρώ³.

Έχουμε την τιμή να σας γνωρίσουμε ότι εγγυόμαστε με την παρούσα επιστολή
ανέκκλητα και ανεπιφύλακτα παραιτούμενοι του δικαιώματος της διαιρέσεως και
διζήσεως μέχρι του ποσού των

ευρώ.....⁴

υπέρ του:

(i) [σε περίπτωση φυσικού προσώπου]: (ονοματεπώνυμο, πατρώνυμο)

....., ΑΦΜ: (διεύθυνση)

....., ή

(ii) [σε περίπτωση νομικού προσώπου]: (πλήρη επωνυμία), ΑΦΜ:

..... (διεύθυνση) ή

(iii) [σε περίπτωση ένωσης ή κοινοπραξίας:] των φυσικών / νομικών προσώπων

α) (πλήρη επωνυμία) ΑΦΜ: (διεύθυνση)

β) (πλήρη επωνυμία), ΑΦΜ: (διεύθυνση)

γ) (πλήρη επωνυμία), ΑΦΜ: (διεύθυνση)

(συμπληρώνεται με όλα τα μέλη της ένωσης / κοινοπραξίας)

ατομικά και για κάθε μία από αυτές και ως αλληλέγγυα και εις ολόκληρο υπόχρεων
μεταξύ τους, εκ της ιδιότητάς τους ως μελών της ένωσης ή κοινοπραξίας, για την
καλή εκτέλεση της σύμβασης **"(τίτλος σύμβασης)"**, σύμφωνα με την (αριθμό)
..... Διακήρυξη της Αττικό Μετρό Α.Ε..

¹ Όπως ορίζεται στα έγγραφα της σύμβασης.

² Όπως ορίζεται στα έγγραφα της σύμβασης.

³ Ολογράφως και σε παρένθεση αριθμητικώς.



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Το παραπάνω ποσό τηρείται στη διάθεσή σας και θα καταβληθεί ολικά ή μερικά χωρίς καμία από μέρους μας αντίρρηση, αμφισβήτηση ή ένσταση και χωρίς να ερευνηθεί το βάσιμο ή μη της απαίτησής σας μέσα σε πέντε (5) ημέρες από την απλή έγγραφη ειδοποίησή σας.

Η παρούσα ισχύει μέχρις ότου αυτή μας επιστραφεί μαζί με έγγραφη δήλωσή σας ότι μπορούμε να θεωρήσουμε την Τράπεζα μας απαλλαγμένη από κάθε σχετική υποχρέωση εγγυοδοσίας μας.

Σε περίπτωση κατάπτωσης της εγγύησης, το ποσό της κατάπτωσης υπόκειται στο εκάστοτε ισχύον πάγιο τέλος χαρτοσήμου.

Βεβαιώνουμε υπεύθυνα ότι το ποσό των εγγυητικών επιστολών που έχουν δοθεί, συνυπολογίζοντας και το ποσό της παρούσας, δεν υπερβαίνει το όριο των εγγυήσεων που έχουμε το δικαίωμα να εκδίδουμε.

Η Εγγυητική Επιστολή θα είναι εισπρακτέα και πληρωτέα στην Ελλάδα και οποιαδήποτε διαφορά επ’ αυτής θα υπόκειται στην αποκλειστική δικαιοδοσία των αρμόδιων Ελληνικών Δικαστηρίων της Αθήνας κατά το ελληνικό δίκαιο.

(Εξουσιοδοτημένη Υπογραφή)



**PROJECT: "PROCUREMENT, INSTALLATION
AND COMMISSIONING OF THE SIGNALLING
& AUTOMATIC TRAIN CONTROL (ATC)
SYSTEM AND OF THE AUTOMATIC TRAIN
SUPERVISION (ATS) SYSTEM IN THE
THESSALONIKI METRO EXTENSION TO
KALAMARIA"**

RFP-335/18

A.Σ. 59046

CONDITIONS OF CONTRACT

SAMPLE C2

GOOD OPERATION LETTER OF GUARANTEE

Issued by (Full name of the Credit Institution)

...../ TMEDE

Date of issuance:.....

To: (Full name of the Awarding Authority / Agency ⁵)

.....

(Address of the Awarding Authority / Agency ⁶)

.....

Our Guarantee no. against the amount of euro ⁷.

We hereby declare that we irrevocably and unreservedly guarantee waiving our rights to to make use of the benefit of division and discussion up to the amount of euro ⁸

in favour of:

(i) [in case of a physical entity]: (full name, father's name), Tax Payer's Number (address), or

(ii) [in case of a legal entity]: (full name), Tax Payer's Number (address), or

(iii) [in case of a Joint Venture/ Consortium]: of physical/ legal entities

a) (full name), Tax Payer's Number (address),

b) (full name)Tax Payer's Number ... (address),

c) (full name), Tax Payer's Number (address),

(fill in all members of the Joint Venture/ Consortium)

individually and for each one of the above and jointly and severally liable in their capacity as members of the Joint Venture/ Consortium for the good performance of the contract "**(title of the contract)**", in accordance with ATTIKO METRO S.A. Invitation to Tender (number)".

The aforementioned amount remains at your disposal and shall be paid in full or in instalments. Payment shall be made without disagreement, dispute or objection of any kind on our part, without examining the validity or non validity of your claim, within **five (5) days** upon receipt of your written notification.

⁵ As specified in the Contract documents

⁶ As specified in the Contract documents

⁷ The amount of the Letter of Guarantee is written in full and in numbers in brackets.

⁸ See footnote 3



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CONDITIONS OF CONTRACT

The present guarantee shall remain valid until it is returned to us along with a written statement of yours that we can assume that our Bank is free from any relevant obligation for the provision of security.

If this guarantee becomes payable, the relevant amount shall be subject to the applicable stamp duty.

We hereby certify that the amount of the Letters of Guarantee already provided, including also the amount of the present guarantee, does not exceed the threshold of the Letters of Guarantee that we have the right to issue.

The Letter of Guarantee shall be collectable and payable in Greece. Any dispute to be raised concerning this Letter of Guarantee shall be subject to the exclusive jurisdiction of the competent Courts in Athens, Greece and the Greek legislation.

(Authorized Signature)

CONDITIONS OF CONTRACT

TABLE A

PERCENTAGE ALLOCATION FOR THE PAYMENTS OF THE CONTRACTOR

No	Description	Payment percentages on the offered amount
1.	NOMARCHIA Station , including Nomarchia Crossover – Supply, installation and SAT Tests of the Signalling System (ATC)	8%
2.	KALAMARIA Station - Supply, installation and SAT Tests of the Signalling System (ATC)	5%
3.	ARETSOU Station - Supply, installation and SAT Tests of the Signalling System (ATC)	5%
4.	NEA KRINI Station - Supply, installation and SAT Tests of the Signalling System (ATC)	5%
5.	MIKRA Station - Supply, installation and SAT Tests of the Signalling System (ATC)	8%
6.	Line of the Extension to Kalamaria - Supply, installation and SAT Tests of the Signalling System (ATC)	7%
7.	Operation Control Center (OCC) of Thessaloniki Metro - Supply, installation and SAT Tests of the Signalling System (ATC)	5%
8.	Operation Control Center (OCC) of Thessaloniki Metro - Supply, installation and SAT Tests of the Automatic Train Supervision System (ATS)	5%
9.	Emergency Control Room (ECR) of Thessaloniki Metro - Supply, installation and SAT Tests of the Automatic Train Supervision System (ATC and ATS)	5%
10.	Fifteen (15) new train-sets - Supply, installation and SAT Tests of the Signalling System (ATC)	32%
11.	Fifteen (15) new train-sets and eighteen (18) initial train-sets for the automatic coupling of trains – Modifications and addition of new ATC equipment and SAT tests.	5%
12.	System Integration Tests (SIT) and commissioning of all signaling systems (ATC and	5%



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CONDITIONS OF CONTRACT

	ATS) of the Metro Extension to Kalamaria and of the OCC / ECR as well as of the rolling stock (new and initial train-sets)	
13.	Trial Run (TR) of the entire Metro network and of all train-sets	5%
	TOTAL	100.00%