Document Title	**PROJECT QUALITY PLAN** The PROJECT		
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Contents

1. SCOPE

This Project Quality Plan (PQP) defines the responsibilities of the MEKTES, as a consortium member or contractor, for Quality Assurance in the design, manufacturing, supply, construction inspection and testing of the relevant parts of PROJECT defined in the scope of supply.

The quality plan will be controlled document and if during the execution of the contract conflicts are found to exist between the contents of this plan and the contract, the contract shall take precedence.

2. MANAGEMENT RESPONSIBILITY

2.1 Quality Policy

We as MEKTES, are committed to becoming our customers most valued supplier by providing products and services that meet our customer's requirements. To accomplish this; we recognize that quality is the responsibility of each individual and every employee is expected to pursue continuous improvement in the quality and productivity of products and services provided.

Our objectives are;

a) To construct a quality product and meet performance standards.
b) To complete the PROJECT in time which is defined in consortium program or contractor execution plan.

2.2 Organization

Organization Chart of MEKTES for PROJECT is attached to this Quality Plan.

2.3 Responsibilities and Authority

2.3.1 MEKTES's Project Manager

The MEKTES's Project Manager has the overall responsibility for the management, direction, and control of the erection works. He also has the overall responsibility for liaison with the General Consortium Project Management and provides the single channel of contact and communication on all matters of major importance which will affect the erection work. The primary objectives of the MEKTES's Project Manager can be summarized as follows:

- To execute the erection works to the terms of the contract documents ensuring that the work meet the quality and safety levels governed by the contract, codes and standards mentioned in the contract, and the requirements of local regulatory bodies, and good engineering practice.
- To ensure that the contractual obligations are made known and understood by all those involved with the execution of work.
- To ensure that the resources are utilized productively, efficiently, and economically. This is achieved by proving adequate instructions, by anticipating potential problems and by making timely decisions;

- To provide status reports to the Project Management with emphasis on the early prediction of future and adverse trends;

- To identify the changes of the scope of the Contract regarding construction and estimate of their effects on cost, resources, contract schedule and quality.

2.3.2 Quality Manager

The Quality Manager will report to MEKTES Project Director and responsible for;

- the implementation and maintenance of the company's quality management system,
- updating of the Project Quality Plan and procedures,
- to review the quality of some key materials before the supply subcontractor is definitely chosen by the procurement department when required.
- the surveillance, monitoring, inspection and proper documentation of the erection work,

- advising of the Site Section Chiefs, Site Manager of potential or existing quality problems that may require the MEKTES's Project Manager's action,
- documenting of nonconformance's on Nonconformance Reports (NCR's), and to ensure that nonconforming materials are not incorporated into erection work.

The Quality Manager may not have staff in every discipline on job site, so the related field engineers and the staff of different disciplines will help him.

A quality control documentation will be established under the direct responsibility of the Quality Manager where all of the related quality control documents will be kept open to the client and consultants.

The duties and responsibilities of the Quality Manager and his staff include;

- The responsibility of collecting of all information, certificates, etc. required prior to the commencement of work;
- To organize Quality Control Meetings with the client and the consultants to decrease their written demands from the contractor by solving some of these problems beforehand.
- The planning of inspections and test witnessing, including source inspection as required to ensure that only acceptable materials, equipment, and construction is incorporated in to the erection work;
- The completion and finalizing of all the required witnessing and inspection reports and to assure that these reports are timely, accurately, and properly distributed;
- Calibration and control of on-site measuring and test equipment and devices used to determine conformance to specified requirements;
- The scheduling and co-ordination of inspection and testing of materials and construction related to erection work;
- The reviewing of Quality Control technical data submitted by Suppliers and Subcontractors to assure conformance to the submittal requirements of the Contract Documents;
- The review of material test reports to assure that the specified tests are performed in an adequate number and the results are in conformance with the Contract Documents;
- The receiving and inspection of Materials procured for incorporation into the erection work for the proper quantity, identification, and shipping damage;

- Verify that required approvals by the client, and the consultant have been received prior to the start of work;
- Verify that certified equipment and/or personnel are being utilized when required by the contract and specifications.
- Verify and trace material with a limited shelf life;

2.4 Resources

The MEKTES's Project Management have assigned required sources and qualified personnel for the works which were planned and put into effect in order to ensure requirements of Company's Quality Assurance System.

2.5 Management Representative

The Management shall appoint a Quality Manager who shall have authority for;

a) ensuring that a quality system is established and maintained in accordance with this quality

plan,

b) reporting on the performance of the quality system to the management for review and as a basis for improvement of the quality system.

2.6 Management Review

A management review of the quality system shall be performed by the Project Management quarterly to ensure that the quality system continues to be suitable, adequate and efficient for its purpose. As a result of the management review, changes in the quality system may be necessary to ensure that the quality policy and objectives will continue to be met. The records of these meetings shall be maintained. Management reviews shall be conducted according to procedure MT-PA-01

MEKTES Project Manager, MEKTES Site Manager, Quality Manager, Site Department Chiefs shall participate in review meetings.

The agenda of the management review meeting may cover the headlines mentioned below;

- Matters arising from the previous review
- Internal / external audit findings
- Non-compliances detected outside the scope of the internal audits
- Details of complaints, disputes and appeals since the last review meeting
- Need for amendment of the quality system including the quality manual
- Plan for the implementation of decided changes to the quality system, including time table
- Adequacy of current human and other resources
- Future plans and estimates for new work, additional staff, office area, equipment, etc.
- Training of new staff and updating of existing staff.

3. QUALITY SYSTEM

It is the policy of MEKTES to establish document, and maintain a quality system explained in Project Quality Plan in accordance with ISO 10005 which cover or make reference to procedures and outline the structure of the documentation has been prepared and put in force.

To control the distribution of the Project Quality Plan, distribution list (PQP01) shall be used. Names and addresses of persons or companies to whom copies of the Project Quality Plan have been given shall be listed in these pages.

The procedures shall include the methods used to carry out activities and cover the responsibilities defining when, how and who will carry out specified works.

Any amendment, change, addition or annulment of procedures and instructions will be distributed to the related departments according to the Document Distribution Form (F:PQP02), updating the information.

It shall be mentioned on the cover page of the Project Quality Plan whether it is a controlled or an uncontrolled copy.

In the case of external requests, uncontrolled copies of the Project Quality Plan may be furnished, by the approval MEKTES's Project Manager.

In order to document the revisions, the Project Quality Plan and the related procedures shall be reviewed and updated by the Quality Manager at least once a year.

Any revision made in any part of the Quality Manual or Procedures shall be stated in the "nature of revision" section of the cover page (F:PA02-l).

3.1 Quality Planning

In order to meet the requirements of defined quality system, project and contract specifications following activities shall be considered;

a) The identification and acquisition of any controls, processes, equipment (including the inspection and test equipment), resources and skills to achieve the required quality.
b) The updating of inspection and testing plans.
c) Preparing the plans for calibration of inspection and test equipment.

4. CONTRACT REVIEW

Management shall review the contract to ensure that;

a) The requirements are adequately defined and documented.
b) Any differences between the contract or process requirements are resolved.

Any changes from or additions to the contract shall be reviewed for potential increases to cost, time of delivery, compliance with consortium agreement.

Management shall identify with a documented procedure (MT-PA-03) how a variation or change to contract is made and circulated to other members of the Consortium).

Records of contract reviews shall be maintained.

5. DESIGN CONTROL

Design assurance will be obtained by established procedure MT-PA-10 and implemented to assure all design activities are performed according to specifications and are completely and precisely documented.

The requirements, basis of design statements and conceptual statements will be transmitted to design offices(subcontractors).

All design statements, calculations and drawings will be double checked by an established sign off process between appropriate levels of MEKTES for completeness so that independent engineers might see the flaws in it.

At appropriate stages of design, design verification shall be performed to ensure that the design output meets the design input requirements.

6. DOCUMENT AND DATA CONTROL

Quality related documents and data that are specified by contract shall be controlled in a manner and form that will protect them from damage or loss for the specified period of the contract or as required by law. The procedure defining responsibilities and system for preparing, issuing, updating, distribution and

control of quality related documents is described in MT-PA-02.

All incoming and outgoing letters will be filed and distributed according to an established system.

Letters, memorandum and various paperwork will each have a predetermined format to the extent that it is practicable.

Each internal and external correspondence will have a unique identification number and date.

Quality documentation shall be controlled throughout the preparation, review, approval and issue of control documents to assure that the affected departments are notified of document status for the duration of the project. Changes to the approved verification documents shall be controlled in the same manner.

Quality Control documents, including test and inspection records, welding procedures and records of welding qualifications, etc., shall be entered on the quality document control files by the QA/QC staff as the documents are received.

A document station at site to control the receipt and issue of such items as shop drawings and specifications, installation drawings specifications, and erection drawings, and as built drawings.

It shall be assured that the latest applicable drawings, calculations, instructions, specifications and procedures will be available to procurement, manufacture, erection and quality control activities.

The Technical Office shall maintain a tracing file and directly control the distribution of drawings, instructions and specifications. The Technical Office shall distribute in written form the controlled drawings, instructions and specifications in a manner that will assure up-to-date information for each department relative to procurement, manufacture, construction and inspection operations.

Site Management will establish a document station at site to control the receipt and issue of erection/construction drawings, instructions, specifications, procedures and as-built drawings.

It shall be assured by the Site Management that the latest applicable drawings, instructions, specifications and procedures will be available to erection and quality control.

7. PURCHASING

Materials and services procurement shall be conducted from qualified sources in accordance with drawing and specifications requirements and MEKTES's construction and erection requirements.

Generally speaking, all important purchasing will be done by the Procurement Department, except for minor or urgent supplies; for which the Site Section Engineers at the site will have the responsibility to do so.

The procedure MT-PA-04 will be followed to evaluate and select subcontractors for the services such as civil works, erection, and testing on the basis of their ability to meet requirements of contract specifications and quality assurance system.

Concerning the important materials and equipment, the purchasing department will consult the QA/QC Manager or the related engineers on the discipline.

The procedures (if required) will cover inspection and test plans in order to verify that the specified requirements for the product are met.

All documents concerning the quantity purchased and the quality will be documented as well as the user manuals of the products. The latter will be passed on to the client during the handover process.

Traceability and identification as well as the documentation of the quality of major products will be maintained throughout the whole job.

8. PRODUCT IDENTIFICATION AND TRACEABILITY

Where appropriate, procedures will be prepared to identify productions or installations. These procedures will cover all controls of ingredients and stages of construction or production.

If traceability is a specified requirement, procedures will be prepared for unique identification of individual production or installation.

9. PROCESS CONTROL

Documented procedures shall be prepared for the processes which directly affect quality of manufacturing and erection. These processes include, but not limited to, welding, nondestructive testing, heat treatment, painting

For new materials or special works, procedures shall be established in written form as specified in procedure MT-PA-02. These will include the practical aspects of the work to be done answering the questions what, when, how is to be done, who is to do it and the record/evidence to show that it was done.

The following documents shall be reviewed in preparing the procedures:

. Contract
. Engineering drawings
. Descriptions and directives given by the supplier company
. Standards, specifications, technical rules, regulations comprising or relating to the contract

Prior to commencement of works in each area, assigned Site Section Engineer(s) and the Subcontractor(s) and the Supplier will review the following items, as a minimum:

a) Approval of construction drawings and submittals,
b) Approval of inspection and test reports for materials and equipment to be utilized,
c) Records of completion or previous operations,
d) Availability of manpower, materials and equipment to perform the work,
e) Any other preparatory steps dependent upon the particular operation and
f) Inspection and test requirements.

10. INSPECTION AND TESTING

In order to verify that the specified requirements for the construction and erection are met, “Inspection and Test Plans” (ITP) shall be prepared and documented for the main plant components.

The required inspection and testing plans and the records to be established have been detailed in procedure MT-PA-05.

MEKTES QA/QC Department shall prepare “Inspection and Test Plans” for the main plant components taking into account the documents mentioned in clause-9

11. MEASURING AND TEST EQUIPMENT CALIBRATION

Gages, measuring and test equipment shall be calibrated and records are maintained at established periods. Procedure used to ensure the accuracy of measuring and test equipment is described in MT-PA-06.

Measuring and test equipment will be calibrated and maintained first to Turkish standards and if a Turkish standard does not exist; an international equivalent can be used.

Calibration will be done by the locally available governmental agencies such as TSE (Turkish Standardization Institute), UME (National Metrology Institute) or private companies. Stickers will be affixed on the calibrated instruments with data and expire date of calibration.

All measuring and test equipment shall be controlled. Steel tapes and other simple devices need only be checked to assure that they are complete, undamaged, and that markings are legible.

12. INSPECTION AND TEST STATUS

The identification of inspection and test status shall be maintained, as defined in documented procedures, throughout erection and installation to ensure that only product that has passed the required inspection and tests used or installed.

13. CONTROL OF NONCONFORMING PRODUCT

Nonconformance reports will be prepared for work that is found to be in nonconformance with contract documents, approved design documents, construction drawings, specifications and standards or good engineering practice.

Nonconformance reports will be issued when unsatisfactory trends are observed or for major nonconformance’s that are detrimental to the system functioning.

However, the following cases are exempted from the nonconformance,

a) normal repair work of weld defects, unless otherwise specified in instructions, directives and standards
b) repair work on the surface by grinding except prohibited by instructions, directives and standards

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Each nonconformance report will have a unique number given by the QQ/QC Manager and it will be identified and traced by that number.

Procedure MT-PA-07 shall followed for the Control of Non-conformances.

14. CORRECTIVE AND PREVENTIVE ACTIONS

Corrective action of deficient or nonconforming work will be monitored by the QA/QC Manager or his staff as per procedure MT-PA-07. He will verify that the deficient or nonconforming work has been corrected and will record when the corrective action was completed.

Repetitive or major nonconformance's will be investigated to determine the cause and the actions necessary to prevent recurrence.

If nonconformance to the Contract Documents is of a critical nature the Quality Manager will inform the MEKTES Project Manager Corrective and preventive action.

15. RECEIPT STORAGE

Material shall be handled, stored, packed and delivered in such a manner as to ensure that neither physical damage nor deterioration from exposure to weather, chemical contaminants or time will occur.

Upon receipt of furnished material, receiving inspection verify that the material was not damaged in transit. Material is then reviewed to ensure adequate protection to prevent degradation. Material is reviewed for proper identification, completeness and quantity.

MEKTES shall provide secure controlled storage areas to isolate and protect material prior to use.

Items with a shelf life such as paint, rubber products and consumables, will be stored in such a manner as to prevent premature deterioration.

Consideration will be given to humidity, temperature, chemical attack and storage method. Strict stock rotation will be performed on all limited life items.

16. CONTROL OF QUALITY RECORDS

Quality records shall be maintained to demonstrate conformance to specified requirements and the effective operation of the quality system. Pertinent quality records from the subcontractor shall be an element of these data.

The Quality Manager is responsible for indexing and filing all Quality Records in a permanent file and assuring that they are protected from loss, deterioration and damage. Where mentioned contractually, all Quality Records shall be made available for review by the client or the consultant's representative for an agreed period.

Procedure of establishment and maintaining a documented quality record system which includes filing, retention, disposition of all quality record is described in MT-PA-02.

17. INTERNAL QUALITY AUDITS

In order to sustain the performance of the Quality System to avoid any malfunctioning, to correct the previously detected nonconformance's, and to improve the quality system continuously, internal audits shall be realized according to the Internal Audit Procedure (MT-PA-08) by an independent person or a group at least once a year. Observed non-conformances and suggestions shall be given consideration.

The audit plan shall be made in such a way that the whole quality system in all aspects shall be audited at least once every year.

Internal quality audits will be implemented by personnel who do not have a direct executive responsibility with the area concerned.

These audits could either be scheduled or initiated by a nonconformance. The results of audits should be circulated among the concerned managers and the MEKTES Project Manager.

Quality Manager will keep a complete file of these audits. Quality Manager should initiate and compile these audits and he may use the existing discipline engineers available.

18. TRAINING

Personnel performing specific assigned tasks shall be qualified on the basis of appropriate education and training as required.

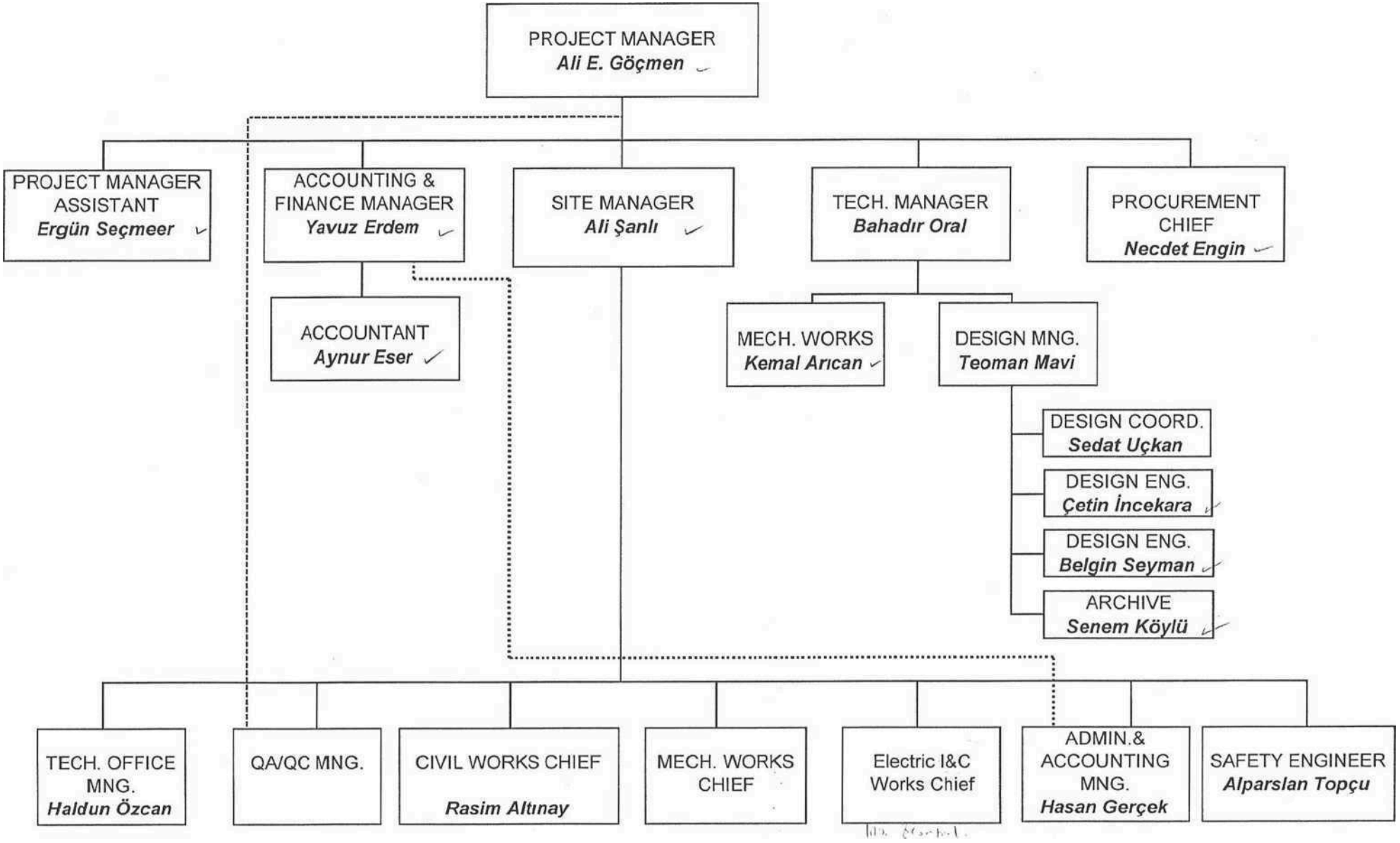
Training is planned and organized in response to the requirements identified by Management in each operation area. Training is then conducted to develop skills required to maintain and improve the capability of the workforce.

The responsibility for identification of training requirements and satisfactory completion of training objectives lies with departmental management.

Training needs will be assessed and arranged in accordance with Training Procedure (MT-PA-09).

Appropriate records of training shall be maintained.

KEY PERSONNELS OF HEAD OFFICE



KEY PERSONNELS OF HEAD OFFICE

PROJECT MANAGER
Ali E. Göçmen