CSAIField Construction Services

What do we mean for "Construction"?

The term "Construction" may include:

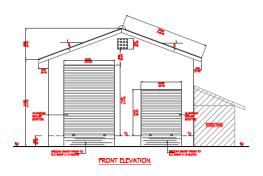
- 1. Installation of new facilities
- 2. Renovation of existing facilities
- 3. Alterations of existing facilities
- 4. Upgrades of existing facilities

FIELD CONSTRUCTION PROJECTS

1. HUMANITARIAN, EMERGENCY and COOPERATION



2. OFFICE, HOUSING and FACILITY BUILDING for DOs

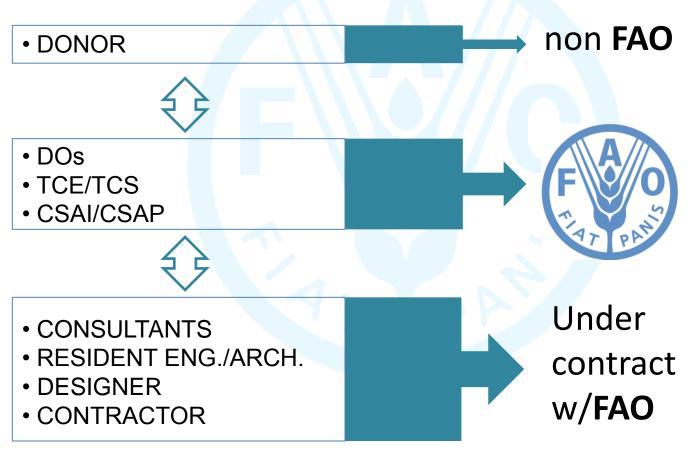


PROJECT ASSESSMENT

MAIN GOALS

- CLEAR GUIDELINES ON FIELD MISSIONS
- CLOSER PARTNERSHIP WITH TC DEPARTMENT
- CLIENT ASSESSMENT FROM THE VERY BEGINNING
- DEVELOP A MONITORING SYSTEM FOR FAO FACILITIES WORLD WIDE
- IMPLEMENT FIELD SECURITY MEASURES
- ISSUE OF A STANDING OPERATING PROCEDURES MANUAL
- ISSUE OF A CONSTRUCTION DESIGN CRITERIA MANUAL

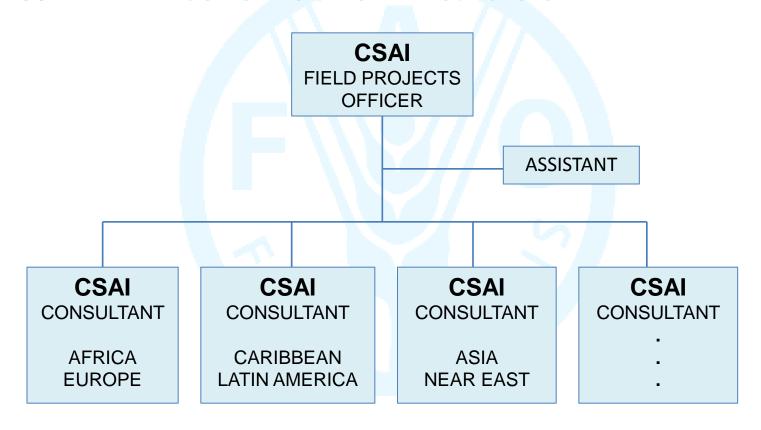
ENTITIES INVOLVED



PROJECT ASSESSMENT -

project definition

CSAI FIELD CONSTRUCTION PROJECTS UNIT



What do we need from our client?

- THE REQUEST
- THE INFORMATION
- THE FINANCING

 MIDTERM/LONGTERM PLANIFICATION of FUTURE PROJECTS

PROJECT ASSESSMENT —

project definition

What can we provide our client?

- TECHNICAL INFORMATION, EVALUATION, ANSWERS TO TCE/TCS
- ASSITANCE FOR THE BEST MANAGEMENT
- ASSIST DOs, TCE/TCS TO CHECK CERTIFICATIONS FROM TECHNICAL POINT of VIEW
- IDENTIFY TECHNICAL RESOURCES (PERSONNEL or CONSULTANTS)
- ASSURE MAINTENANCE of BUILDINGS and PROPERTIES of FAO



CSAINF

PROJECT

PROCESS

Pre-construction Phase

Assessing the need



Request for a construction project

Establish the needs

Assess the need of a project team

Edit the Scope of Work

Plan construction permits

Outline Feasibility



Define the project funds

Prepare the design tender

Selection A/E firm

Set the design criteria

Start the design

Outline Design

Process



Preliminary design submittal

Preliminary design review

Final design submittal

Final design review

Design approved

Procurement



Review documentation

Provide contract documents

> **Fvaluate** procurement method

Seek, clarify and close offers

Award contract

Construction Phase

Coordinate construction



Kick off meetings

Start the construction

> Monitor Health&Safety

Monitor costs&quality

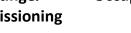
expectations

Commissioning



Monitor project

Testing&





Verify projects requirements

Prepare the facility activities

Collect material manuals

Collect operation& maintenance manuals

> Construction completed

Occupancy



Plan the move

Secure the facility

Start the occupancy

> Start the facilities activities

Project completed

PROJECT ASSESSMENT

project definition

What may CSAI PROVIDE?

PRE

CONSTRUCTION

PHASE

- SCOPE OF WORK
- SITE SURVEYS
- FEASIBILITY STUDIES
- DESIGN/DESIGN REVIEW
- COST ESTIMATE
- BASIC SCHEDULE
- CONTRACTOR'S CAPABILITY EVALUATION

CONSTRUCTION

PHASE

- RESIDENT ENG./ARCH. RECRUITMENT ASSESSMENT
- CONSTRUCTION INSPECTION
- TESTING & COMMISSIONING
- CLOSE OUT

PRE CONSTRUCTION PHASE - DEFINITION

PERIOD DURING WHICH THE **NEED/PROBLEM** IS IDENTIFIED AND THE **SOLUTION** IS DEFINED

"CLEAR DEFINITION OF THE PROBLEM IS HALF THE SOLUTION"

REQUEST

IT MUST IDENTIFY:

- A NEED OR AN OPPORTUNITY
- ONE OR MORE POSSIBLE ANSWERS
- THE COST AND THE RESOURCES TO BE USED
- WHO IS TAKING ADVANTAGE OF THE INITIATIVE
- POSSIBLE FUTURE DEVELOPMENTS AND SIMILAR SITUATIONS THAT CAN TAKE ADVANTAGE DURING THE PROJECT

01. REQUEST



01. REQUEST

02. ENVIRONMENTAL REVIEW

11. AWARD AND CONTRACT

01. REQUEST

02. ENVIRONMENTAL REVIEW

03. SCOPE OF WORK

11. AWARD AND CONTRACT

01. REQUEST

02. ENVIRONMENTAL REVIEW

03. SCOPE OF WORK

04. ESTIMATES

11. AWARD AND CONTRACT

01. REQUEST

02. ENVIRONMENTAL REVIEW

03. SCOPE OF WORK

04. ESTIMATES

05. DESIGN

11. AWARD AND CONTRACT

01. REQUEST

02. ENVIRONMENTAL REVIEW

03. SCOPE OF WORK

04. ESTIMATES

05. DESIGN

06. DESIGN CONTRACT ADMINISTRATION

11. AWARD AND CONTRACT

01. REQUEST

07. ARCH./ENG. AGREEMENT

02. ENVIRONMENTAL REVIEW

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06. DESIGN CONTRACT ADMINISTRATION

11. AWARD AND CONTRACT

01. REQUEST

07. ARCH./ENG. AGREEMENT

02. ENVIRONMENTAL REVIEW

08. ARCHITECTURAL/ENGINEERING SERVICE CONTROL

03. SCOPE OF WORK

04. ESTIMATES

05. DESIGN

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07. ARCH./ENG. AGREEMENT

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03. SCOPE OF WORK

09. DESIGN PHASE REVIEWS

04. ESTIMATES

05. DESIGN

06. DESIGN CONTRACT ADMINISTRATION

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09. DESIGN PHASE REVIEWS

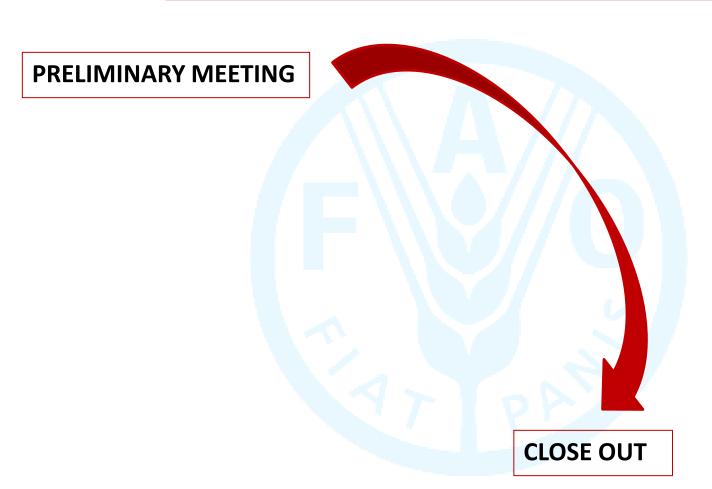
04. ESTIMATES

10. BID

05. DESIGN

11. AWARD AND CONTRACT

06. DESIGN CONTRACT ADMINISTRATION



PRELIMINARY MEETING

FINAL INSPECTION

CONSTRUCTION QUALITY CONTROL

TESTING & COMMISSIONING

CONTRACTOR'S QUALITY CONTROL

SAFETY DURING CONSTRUCTION

FAO QUALITY ASSURANCE REPORTS

PROGRESS PAYMENTS

CONSTRUCTION CONTRACT NO COMPLIANCE NOTICE

CLOSE OUT

INTERIM SITE MEETINGS