

TenderPartners GmbH

Main Aspects of Construction Projects

Amgad A. Hussein

Frankfurt 31.08.2005

Main Aspects of a Construction Project

- 1. Briefing stage**
- 2. Designing stage**
- 3. Tendering stage**
- 4. Construction stage**
- 5. Commissioning stage**

1. Briefing Stage

The first and one of the most important stage of any project and its purpose is to :-

- **Enable an objective decision to be made on the feasibility of the project, and to examine alternatives.**
- **To specify the client's requirements in detail so that the designers may correctly interpretate his wishes and estimate the likely costs.**

2. Designing Stage

- **Finalize decision**
- **Further investigations**
- **Scheme design**
- **Detailed design**
- **Drawings, specifications, schedules, BoQ**
- **Project cost and time estimation**

Design stage activities

Finalize decision



Technical investigation



Scheme design



Detailed design



Drawings, specs, BoQ...



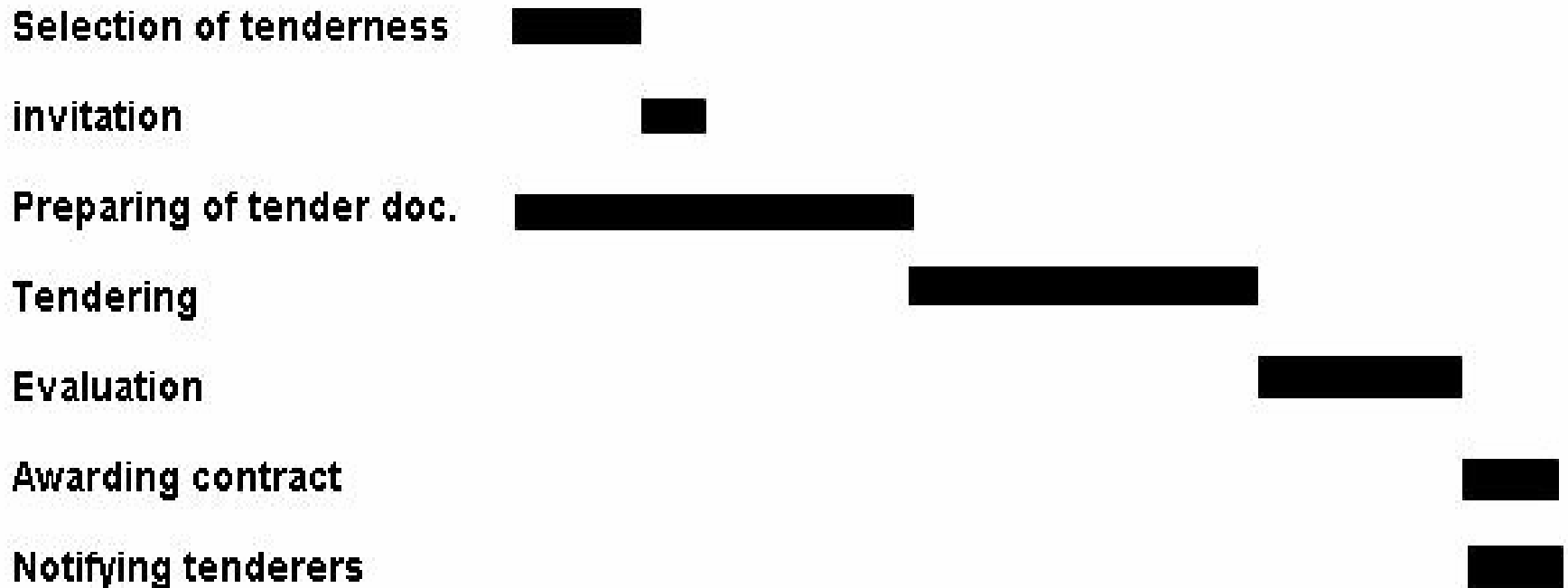
Cost estimate



3. Tendering Stage

- **Invitation to Pre-qualification**
- **Issue and submission of Pre-qualification documents**
- **Analysis of Pre-qualification data, selection and notification of list of selected tenderers**
- **Enquiry documents**
- **Issue of enquiry documents**
- **Visit to site by tenderers**
- **Amendments to enquiry documents**
- **Tenderers queries**
- **Submission and receipt of tenders**
- **Opening of tenders**
- **Evaluation of tenders**
- **Award of contract**
- **Coming into force**

Tender procedures for clients



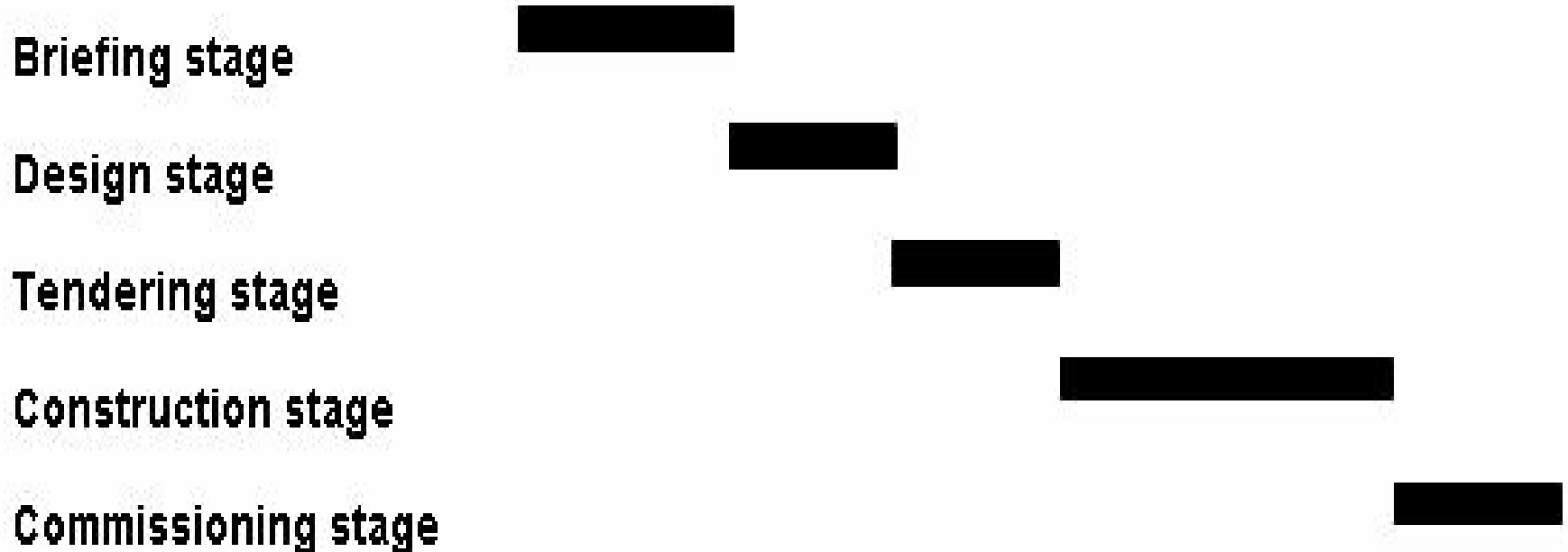
Construction Stage

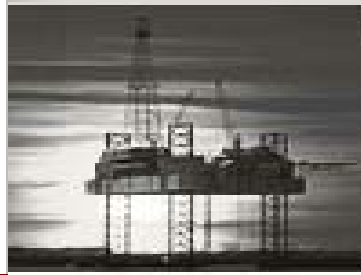
- **To supervise the construction within the agreed limits of cost, time and to specified quality (specifications).**
- **To plan, co-ordinate and control site operations.**
- **Check the production planning, which includes the formulation of :-**
 - * **Time schedules**
 - * **Site organisation**
 - * **Manpower plan**
 - * **Plant and equipments plan**
 - * **Material delivery plan**

5. Commissioning Stage

- **To ensure that the building has been completed as specified in the contract documents, and that all the facilities work properly**
- **To provide a records of the actual construction, together with operating instructions**
- **To train staff in the use of the facilities provided**

Main aspects of construction projects





TenderPartners GmbH

Main Aspects of Construction Projects

Amgad A. Hussein

Frankfurt 31.08.2005