

Presentation on the Roll and Challenges of The Consultancy Service



**FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA
MINISTRY OF WATER, IRRIGATION AND ENERGY**

**Ethiopian Water Resource
Consultants Association**

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EWPCA

Role of Consultants in Water and Energy Projects

- The Government of Ethiopia has a plan to provide clean and potable water supply to all citizens in short period of time
- It has also a plan to be self sufficient through development of Irrigation Projects in short period of time
- To make universal accesses of electricity by 2030
- and to develop and manage its river basins and groundwater resources

This Requires a huge resources of Finance, manpower, machineries and equipments



Role of Consultants in Water and Energy Projects

- The Study and Design of each project requires the input of Consultants
- The input starts from the need assessment, project planning, prefeasibility study, Feasibility Study, Detail Design, Project Management and contract Administration, Advice on operation and maintenance and Monitoring of the systems
- To implement such a grand plan the Role of well equipped Consultants is very important



Role of Consultants in Water and Energy Projects

Current Involvement

- Most of the Water Supply Projects Starting from rural water supply, small to medium towns are studied, designed and supervised by Local Consultants, though Large towns mostly handled by foreign firms and some government financed projects are still directly given to public Enterprises
- Substantial number of small scale irrigation projects are also undertaken by local consultants, but the Involvement in the large Irrigation and Dam projects are less so far,
- Few local Consultants are involved in Energy sector even as subconsultant level,



Role of Consultants in Water and Energy Projects

- The Number of Local Consultants has raised from about 6 to more than 600 in the last 18 years
- The % share covered by local Consultants has also risen to 70-80% in the water supply sector and it is growing in Irrigation and drainage sub sector as well
- The share in the energy sector is minimal to this date except as subconsultant



Major issues and Challenges

- Lack of Experienced Manpower
- Lack of sufficient Equipment and Laboratories for study and Design
- Lack of Design standards and codes
- Limitations to update in Dynamic study and design technologies including software due to lack of in-service trainings and capacity building problems
- In general lack of capacity

Major issues and Challenges

Challenges in the Study and Design is mainly

- unrealistic ToR in many cases

Example : Planning to complete 2-4 projects in three months or insufficient key expert inputs

- Very low offer by the consultants (sometimes offers which doesn't cover a surveying soil investigation costs)

- Less Project Study & Design Execution Time

(some times time taken for tender processing much longer than study and Design period)

- Lack of Ethics and Good faith with some consultants

(Not doing site visit, Surveying etc Generally Not Covering ToR)

- Poor Quality Control System and Documents delivered



Major issues and Challenges

The following Major issues affect the Project Study and Design

- Lack of follow up on the Study and Design by the client
- Lack of timely Review and decide on additional Requirement and Comment on the Studies
- Lack of Checking the documents if Components are fully Identified, Designed, Drawings, Specifications, BoQ are prepared



Major issues and Challenges

Contract Administration and Supervision (Some Contractors)

Lack of Knowledge of Contract

- Not Reading specification in the Contract
- Not reading and understanding standards required
 - Ordering and Supply of none specified and below Standard materials
 - Supply of None standard Equipment's
 - Misunderstanding with Consultant /Client
 - Extended project time
 - Damage to the client/community/consultant/Contractor

Project Implementation/Contract Administration and Construction Supervision Cont...

Contract Administration and Supervision (Some Consultants)

Lack of Knowledge of Contract

- Not Reading specification in the Contract
- Not reading and understanding standards required
 - Approving Supply of none specified and below Standard materials
 - Approving of None standard Equipment's
 - Misunderstanding with Contractor /Client
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The Way Forward

The following major way forward are

- Capacity Building Training on all the stakeholders on project management, Contract Administration and procedures
- Capacity Building for Consultants on Updated Design technologies, Study and Design software's
- Allow foreign Currency for Consultants to hire international specialist for specific study and Design area which makes the local staff more skilled with less expenses through attachment
- Tax incentive for Procurement of Study and Design Equipment, Laboratory Facilities, Software's



The Way Forward Continued

- Controlling bidding for very low price below threshold which can hurt the project
- Establish Quality control team within water Bureaus as well as MOWIE to monitor Planning study, design & Contract administration system
- Establish National Water Resource Standards and code of practice
- Encouraging water Resource Consultants involvement in Hydropower and Energy



Thank You