



Water and Wastewater Management Programme

PN 18.2157.8-002.00

PROJECT TENDER PACK

**Supply & install display, discussion & sound systems
in the meeting room at HCWW**

Pin Ref. DDS-02

Nov 2019

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ABBREVIATIONS

ACs	Affiliated Companies of the HCWW
ANSI	American National Standards Institute
ASME	American Society of Mechanical Engineers
AUX	Auxiliary port
BS	British Standards
EIA	Electronic Industries Alliance
EN	European Norms
EOS	Egyptian Organisation for Standardisation
EWRA	Egyptian Water Regulatory Agency
GIZ	Deutsche Gesellschaft für Internationale Zusammenarbeit
HCWW	Holding Company for Water & Wastewater
HSE	Health Safety & Environment
IEC	International Electro-technical Commission
IEE	Institution of Electrical Engineers
IEEE	Institute of Electrical and Electronics Engineers
ISO	International Organization for Standardization
LCD	liquid crystal display
NEMA	National Electrical Manufacturers Association
PPE	Personal Protective Equipment
UHF	Ultra-high frequency
WUXGA	Widescreen Ultra Extended Graphics Array

UNITS OF MEASUREMENT

EGP	Egyptian pound
LS	Lump sum
m	meter
Nr	Number
W	Watt

1. INTRODUCTION

This document is for the tendering of a one-project.

All sections should be studied before submission of a tender.

It should be noted that all the actions and responsibilities described in this document are to be taken in full compliance with all Egyptian laws and regulations and HCWW, procedures and instructions in particular, those for Health, Safety and Environment.

2. PROJECT DETAILS

2.1	Title	Supply & install display, discussion & sound systems in the meeting room at HCWW
2.2	Pin Ref.	DDS-02
2.3	Location	HCWW meeting room, Rod Al Farag WTP, Nile Corniche
2.4	Client	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)
2.5	Owner	HCWW
2.6	Manager's representative	Eng. Mohamed Allam (Tel: 01285044887) The Manager's Representative can only respond to comments relating to the access to the site and answer queries relating to the existing site facilities.

3. PROJECT DESCRIPTION

<p>3.1 Summary</p>	<p>This tender is for supply, install, test, program and commission of the following systems in the main meeting room at HCWW:</p> <ul style="list-style-type: none"> 1- Display solution system 2- Digital wireless discussion system 3- Sound system
<p>3.2 Background</p>	<p>The overall objective of the Water and Wastewater Management Programme WWMP is “The framework conditions for water losses reduction and efficient use of water, taking into account climate change, are improved in water supply and wastewater management”. The indicators are:</p> <ul style="list-style-type: none"> 1- Efficient methods and procedures for water losses reduction and increasing collection have been tested in selected communities. 2- Innovative methods to improve the operational and energy efficiency of ACs are developed. 3- New water integrity and civil society participation processes are tested in selected ACs. 4- New training opportunities for water professionals have been established. <p>This document sets out the tender, commercial and technical data that is to be completed in full by the tenderers.</p>

4. GENERAL INFORMATION

<p>4.1 HSE Requirements</p>	<ul style="list-style-type: none"> - Full Personal Protection Equipment (PPE) is to be worn at all times. - Any worker who is suffering illness is not to work on the site. - The cubical of any existing panel that is being worked on should be electrically isolated by the Tenderer with the isolator padlocked in the off position and a notice hung from the isolator stating this isolator must remain switched in the off position. - All mobile phones must be turned off by the tenderer's staff while any work is being undertaken. - The Tenderer must ensure that while working on site at least one member of the tenderer staff, that is present, is trained for first aid and specifically how to deal with electrical shock and burns injury.
<p>4.2 Access to Sites</p>	<ul style="list-style-type: none"> - Unless otherwise directed, the Tenderer should access the site in the presence of the employees of the HCWW through the main gate after obtaining the necessary permits. - The tenderer shall comply with all site security and safety requirements.
<p>4.3 Medical Facilities</p>	<ul style="list-style-type: none"> - The Tenderer should provide all First Aid facilities and to reduce time in the event of an emergency by determining the nearest Hospital or Medical Facilities to the site before starting of works.

5. TENDERING DETAILS

5.1 Rules	The Tenderer should comply with the following rules. Failure to do so can result in disqualification of the tender unless the noncompliance is authorised in writing by the Client's Representative.
5.2 Site Visit	The Tenderer can arrange a single site visit by pre-arrangement with the Client.
5.3 Queries	All queries must be submitted in writing to the Client. The Client will circulate to all tenderers a list of all queries received and all replies provided.
5.4 Disqualifications (For collusion)	Any proof of price fixing between Tenderers should lead to their disqualification.
5.5 Project duration	90 days starts from the tender awarding date.

6. APPLICABLE STANDARDS

6.1 Compliance	<p>The required installation(s) should comply with the following local and international standards.</p> <p>In particular the International Electrotechnical Commission (IEC) , National Electrical Manufacturers Association (NEMA) and Egyptian Organisation for Standardisation (EOS)</p>
6.2 National	<p>The works should comply with all relevant HCWW general standards for electrical installations, in particular EOS.</p>
6.3 International	<p>The supplied equipment's shall comply with the following international standards:</p> <ul style="list-style-type: none"> - ISO: Standard by the International Standard Organization. - IEC: International Electro-technical Commission - IEEE: Institute of Electrical and Electronics Engineers - IEE: Institution of Electrical Engineers - NEMA: National Electrical Manufacturers Association - ANSI: American National Standards Institute - EIA: Electronic Industries Alliance - The Electrical Equipment (Safety) Regulations 1994 <p>Equipment shall be CE marked to demonstrate compliance with:</p> <ul style="list-style-type: none"> - The Low Voltage Directive - The essential requirements of the relevant British Standards
6.4 Country of manufacture	<p>European Economic Area (EEA),USA, Japan and England</p>

7. DESCRIPTION OF WORKS

<p>7.1 Description of works</p>	<p>Supply, install, test, program and commission of the following systems in the main meeting room at HCWW:</p> <ol style="list-style-type: none"> 1- Display solution system including projector & motorized screen. 2- Digital wireless discussion system including wireless access point, tripod mobile stand, wireless devices, long stem microphones, battery racks and chargers. 3- Sound system including audio mixer, power amplifier, wall speakers, handheld microphone and hand free Microphone. <p>All supplied equipment and devices shall have minimum warranty of 2 years.</p>
<p>7.2 Inclusions</p>	<ul style="list-style-type: none"> ▪ Supply rack enough for all equipment plus 20% space for future expansion. ▪ Installation shall include all the required cables and accessories required for the systems operation. ▪ Coordination with the site operatives from the HCWW to ensure the installation works do not interrupt the performance of the supplying system for long time. ▪ Provision of operating and maintenance documentation. ▪ Site disestablishment following commissioning and leaving the area occupied and worked in, in a clean, neat and tidy condition. ▪ Systems Diagrams. ▪ Certificate of Origin of all equipment and devices supplied. ▪ Manual /Catalogue for all supplied devices.

8. SPECIFICATIONS

All supplied equipment & devices shall comply with the following technical specifications.

Item	Specifications
8.1 Display system	
8.1.1 Projector	3LCD technology, WUXGA (1920X1200) ,5500 ANSI , Multiple inputs , Screen Mirroring , Split Screen ,Wireless
8.1.2 Motorized screen	100 inches
8.2 Digital wireless discussion system	
8.2.1 Wireless access point	Wireless access point, power supply adapter and universal mounting bracket included. The tenderer shall assure that there is no interference between the proposed system and the existing WIFI system
8.2.2 Wireless device	Wireless device, single use, dual-use or chairperson can be configured via the web browser interface
8.2.3 Long stem microphone	Low susceptibility to interference from mobile phones
8.2.4 Battery pack	Rechargeable battery pack, capable of providing minimum 15 continuous operating hours
8.2.5 Batteries packs chargers	Number of chargers shall be sufficient to charge 35 batteries (e.g. If the charger can charge 5 batteries packs in parallel, 7 chargers shall be supplied)
8.3 Sound system	
8.3.1 Audio mixer	8 Mic input, 4 AUX input
8.3.2 Power amplifier	250 W
8.3.3 Wall speaker	30 W - Wall Mount Speakers
8.3.4 Handheld microphone	Vocal Set, UHF diversity system, with single receiver and dynamic handheld, pilot tone, scan function, including power supply, microphone clamp and batteries
8.3.5 Hand free Microphone	Over the Ear – Wireless microphone
8.4 Miscellaneous	
8.4.1 Rack	Enough for all equipment plus 20% space spare for future expansion

9. BILL OF QUANTITIES (BOQ)

The tenderer should complete the following table in full. All omissions, blanks and 'TBAs' will count against the tenderer in the evaluation process.

Item	Unit	Quantity	Unit Rate (EGP)	Total (EGP)
9.1 Display system				
9.1.1 Projector	Nr.	1		
9.1.2 Motorized screen	Nr.	1		
9.1.3 Total of display system				
9.2 Digital wireless discussion system				
9.2.1 Wireless access point	Nr.	1		
9.2.2 Wireless device	Nr.	25		
9.2.3 Long stem microphone	Nr.	25		
9.2.4 Battery pack	Nr.	25		
9.2.5 Batteries packs chargers (enough number of chargers to charge 35 batteries packs in parallel)	LS	1		
9.2.6 Total of Digital wireless discussion system				
9.3 Sound system				
9.3.1 Audio mixer	Nr.	1		
9.3.2 Power amplifier	Nr.	1		
9.3.3 Wall speaker	Nr.	2		
9.3.4 Handheld microphone	Nr.	1		
9.3.5 Hand free Microphone	Nr.	1		
9.3.6 Total of sound system				
9.4 Miscellaneous				
9.4.1 Rack	Nr.	1		
9.4.2 Total of miscellaneous				
9.5 Grand Total of the offer				

10. TENDERER'S SIGNATURE & STAMP

10.1 Tender valid until (Date)	
10.2 Signature	
10.3 Name in Capitals	
10.4 Position in Company	
10.5 Contact Details	
10.6 Date	

10.7 Official Stamp

11. TENDER EVALUATION FORM

The following mechanism is designed to allow the award to the best economically advantageous tender. This means that both price (financial) and quality (Technical) will be evaluated and scored. The offers will be evaluated as follows:

1. The technical offers will be evaluated according to the following criteria:

Technical Criteria	Max Score
Country of manufacture	20
Technical specifications	40
After Sales Service	20
Relevant Experience	10
Duration of supply	10
Total Technical score	100

2. For the financial offers evaluation, the lowest offer (lowest bid) will be awarded (100) points and the rest of the offers (other bids) will be re-evaluated in relative to the lowest bid.
3. The total evaluation of the bids will be done by the relative weight system.
4. The weights will be 60/40 for technical/ financial offers.
5. The final evaluation of the offer = $(0.60 \times \text{the total score of the technical evaluation}) + (0.40 \times \text{the total re-evaluated financial score})$

The tender will be awarded to the tenderer with the highest score.