



**HOUSING, URBAN DEVELOPMENT & PUBLIC HEALTH
ENGINEERING DEPARTMENT (HUD&PHED),
GOVERNMENT OF PUNJAB**

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BIDDING DOCUMENT (FINANCIAL)

**FOR FRAMEWORK CONTRACT
REGARDING PROCUREMENT OF CONSUMER WATER
METERS
BY 05 WASAs OF PUNJAB**

24th AUGUST, 2016

ICB No. WASA/2016/01

**PROCUREMENT OF CONSUMER WATER METERS
BY 05 WASAs OF PUNJAB**

**International Competitive Bidding
ICB/WASA/2016/01**

**Framework Contract
For
Procurement of Consumer water meters**

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Public Health Engineering
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PREFACE

This Bidding Document has been prepared by the Housing, Urban Development & Public Health Engineering Department (HUD&PHED), Government of Punjab. This document will conclude the Framework Contract, for the purpose of rates w.r.t particular size, type and conforming to technical specifications contained in Section VI (Employer's Requirements), regarding the procurement of Consumer Water Meters to be purchased by 05 Water & Sanitation Agencies (WASAs) in Punjab, Pakistan, located at Lahore, Faisalabad, Rawalpindi, Multan & Gujranwala. Only Prequalified Original Equipment (Goods) Manufacturers (OEMs) / Authorized Agents are invited for Bids. The bidder is required to examine the Bidding Documents, including all instructions, forms, terms and technical specifications mentioned in Employer's Requirements. Failure to furnish all information required by the Bidding document or submission of a Bid not responsive to the Bidding Document in every respect will be considered as non-responsive and may result in the rejection of the Bid. Letter of Acceptance for Framework Contract will be concluded by the HUD&PHE Department. However, the purchase orders and separate Contract Agreements will be made by respective WASAs with the Supplier, following the rates, sizes, types and technical specifications agreed under the Framework Contract, as per their own demand as and when required within the validity period of the Framework Contract.

GLOSSARY

AMR	Automated Meter Reading
BDS	Bid Data Sheet
AWWA	American Water Works Association
EEC	European Economic Community
EQC	Evaluation and Qualification Criteria
GCC	General Conditions of the contract
GOP	Government OF Punjab
GST	General Sales Tax
HUD & PHED	Housing, Urban Development & Public Health Engineering Department
IB	Instructions to bidders
ICB	International Competitive Bidding
ISO	International Organization for Standardization
JWWA	Japan Water Works Association
MID	Measuring Instrument Directive
NTN	National Tax Number
OEMs	Original Equipment Manufacturers
OIML	International Organization for Legal Metrology
GC	General Conditions
PC	Particular Conditions

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LETTER OF FINANCIAL BID

Date: _____

Bid Reference No.: ICB/WASA/2016/01

(Name of Framework Contract)

To:

Employer

We, the undersigned declare that:

1. We have examined and have no reservation to the Bidding Documents, including Addenda No.....issued in accordance with Instructions to Bidders IB 9, or amendments initiated by the Employer at his own, or response to Bidder's queries which are transmitted in writing to all Bidders for the execution of the above-named supply of Goods, we, the undersigned, offer to execute and complete the supply of Goods and remedy any defects therein in conformity with the Conditions of Contract, Employer's Requirements, Technical Specifications, Drawings (if any). We have filled out Bid (Price) Schedules in accordance with IB 13, i.e. "The Bidder shall submit the Unit Price, of all meters types and sizes, in the Price Schedules attached in Financial Bid, meeting the technical specification of Employer' Requirements, offered by him, but the Bidder may win the Framework Contract for the particular meter type in which he is evaluated as the lowest successful Bidder, not necessarily in all meter types".
2. We understand that all the Appendices attached hereto form part of this bid.
3. We agree to permit Employer or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors. This permission is extended for verification of any information provided in our Technical Bid.
4. We undertake, if our bid is accepted even as per paragraph 1 above, to commence the Supply of Goods and to complete the whole of the works comprised in the framework contract within the time stated in the Contract.
5. We agree to abide by this bid for the period of 90 days from the date fixed for opening the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
6. Unless and until a formal Agreement is prepared and executed, this bid as per paragraph 1 above, together with your written acceptance thereof, shall constitute a binding contract between us.

*Bidding Document for Framework Contract for the Procurement of Consumer Water Meters by
05 WASAs of Punjab*

7. We do hereby declare that the bid is made without any collusion, comparison of figures or arrangement with any other bidder for the works.
8. We understand that you are not bound to accept the lowest or any bid you may receive.
9. We undertake, if our/my bid is accepted, to execute the Performance Security in accordance with the Bidding Documents for the due performance of the Framework Contract.

in the capacity of _____ duly authorized to sign Bids for and on behalf of

_____ dated this _____ day of _____ 20_____

Signature: _____

(Name of Bidder in Block Capitals)

(Seal)

Address: _____

Witness:

Signature: _____

Name: _____

Address: _____

FINANCIAL BID FORM 1(a)

PRICE SCHEDULE

(Water Meter Type: Volumetric Rotary Piston, DN 15 mm)

Country of Origin: _____

Item	Description	Unit	Rate Quoted by the bidder
			Unit Rate (PKR only)
1	<p>Supply of Domestic Water Meter at stores of respective WASA, as per HUD&PHED specifications, via Notification No. SO(UD)10-26/2015 Dated 21st Jan., 2016.</p> <p>The said HUD&PHED Specifications are provided below for reference: MECHANICAL WATER METERS Technology i. Volumetric Rotary Piston / Notating Disc ii. Multi – Jet General Features i. Possibility for Both Visual & Automated Meter Reading (AMR) outputs ii. Tamper proof iii. Provided with non-return valve iv. Un-affected by grit and particulates v. Provided with wire and lead seal vi. Not effected by Magnetic field. Certification i. ISO 4064 (International Organization Standardization) compliant ii. OIML: R49 (International Organization for Legal Metrology) and MID/2004/22/EEC/AWWA/JWWA Detailed Metrology Specifications i. Size: 15mm to 25mm ii. Accuracy: Class II iii. Material: Brass / Non-ferrous Metal iv. Protection Class: IP-68 v. Ambient Temperature: +5 to 55 C vi. Liquid Temperature: Up to 50 C vii. Maximum working pressure: 16 bar viii. Flow rate: Q3/Q1 = 160 ix. Maximum Flow rate (m³/hr.): Q3 15mm 20mm 25mm 2.5 4.0 6.3 x. Installation: a. Any direction b. Horizontal (Multi-jet)</p> <p>15 mm (Volumetric Rotary Piston Type)</p>	Each	

Disclaimer: Tentative quantity has been mentioned in Section IV of this Document and it shall not be binding on employer or WASAs. Bidder may win the Contract for the particular meter type in which he quotes the lowest. It is not the binding for bidder to quote for all types of meters.

Name of Bidder: _____

In the capacity of: _____

Signed: _____

Duly authorized to sign the Bid for and on behalf of _____

Date: _____

Stamp: _____

FINANCIAL BID FORM 1(b)

PRICE SCHEDULE

(Water Meter Type: Volumetric Rotary Piston, DN 20 mm)

Country of Origin: _____

Item	Description	Unit	Rate Quoted by the bidder
			Unit Rate (PKR only)
1	<p>Supply of Domestic Water Meter at stores of respective WASA, as per HUD&PHED specifications, via Notification No. SO(UD)10-26/2015 Dated 21st Jan., 2016</p> <p>The said HUD&PHED Specifications are provided below for reference: MECHANICAL WATER METERS Technology i. Volumetric Rotary Piston / Notating Disc ii. Multi – Jet General Features i. Possibility for Both Visual & Automated Meter Reading (AMR) outputs ii. Tamper proof iii. Provided with non-return valve iv. Un-affected by grit and particulates v. Provided with wire and lead seal vi. Not effected by Magnetic field. Certification i. ISO 4064 (International Organization Standardization) compliant ii. OIML: R49 (International Organization for Legal Metrology) and MID/2004/22/EEC/AWWA/JWWA Detailed Metrology Specifications i. Size: 15mm to 25mm ii. Accuracy: Class II iii. Material: Brass / Non-ferrous Metal iv. Protection Class: IP-68 v. Ambient Temperature: +5 to 55 C vi. Liquid Temperature: Up to 50 C vii. Maximum working pressure: 16 bar viii. Flow rate: Q3/Q1 = 160 ix. Maximum Flow rate (m³/hr.) Q3 15mm 20mm 25mm 2.5 4.0 6.3 x. Installation: a. Any direction b. Horizontal (Multijet)</p>	Each	
	20 mm (Volumetric Rotary Piston Type)		

Disclaimer: Tentative quantity has been mentioned in Section IV of this Document and it shall not be binding on employer or WASAs. Bidder may win the Contract for the particular meter type in which he quotes the lowest. It is not the binding for bidder to quote for all types of meters.

Name of Bidder: _____

In the capacity of: _____

Signed: _____

Duly authorized to sign the Bid for and on behalf of _____

Date: _____

Stamp: _____

FINANCIAL BID FORM 1(c)

PRICE SCHEDULE

(Water Meter Type: Volumetric Rotary Piston, DN 25 mm)

Country of Origin: _____

Item	Description	Unit	Rate Quoted by the bidder
			Unit Rate (PKR only)
1	<p>Supply of Domestic Water Meter at stores of respective WASA, as per HUD&PHED specifications, via Notification No. SO(UD)10-26/2015 Dated 21st Jan., 2016.</p> <p>The said HUD&PHED Specifications are provided below for reference: MECHANICAL WATER METERS Technology i. Volumetric Rotary Piston / Notating Disc ii. Multi – Jet General Features i. Possibility for Both Visual & Automated Meter Reading (AMR) outputs ii. Tamper proof iii. Provided with non-return valve iv. Un-affected by grit and particulates v. Provided with wire and lead seal vi. Not effected by Magnetic field. Certification i. ISO 4064 (International Organization Standardization) compliant ii. OIML: R49 (International Organization for Legal Metrology) and MID/2004/22/EEC/AWWA/JWWA Detailed Metrology Specifications i. Size: 15mm to 25mm ii. Accuracy: Class II iii. Material: Brass / Non-ferrous Metal iv. Protection Class: IP-68 v. Ambient Temperature: +5 to 55 C vi. Liquid Temperature: Up to 50 C vii. Maximum working pressure: 16 bar viii. Flow rate: Q3/Q1 = 160 ix. Maximum Flow rate (m³/hr.): Q3 15mm 20mm 25mm 2.5 4.0 6.3 x. Installation: a. Any direction b. Horizontal (Multijet)</p>	Each	
	25 mm (Volumetric Rotary Piston Type)		

Disclaimer: Tentative quantity has been mentioned in Section IV of this Document and it shall not be binding on employer or WASAs. Bidder may win the Contract for the particular meter type in which he quotes the lowest. It is not the binding for bidder to quote for all types of meters.

Name of Bidder: _____

In the capacity of: _____

Signed: _____

Duly authorized to sign the Bid for and on behalf of _____

Date: _____

Stamp: _____

FINANCIAL BID FORM 2(a)

PRICE SCHEDULE

(Water Meter Type: Notating Disc, DN 15 mm)

Country of Origin: _____

Item	Description	Unit	Rate Quoted by the bidder
			Unit Rate (PKR only)
1	<p>Supply of Domestic Water Meter at stores of respective WASA, as per HUD&PHED specifications, via Notification No. SO(UD)10-26/2015 Dated 21st Jan., 2016.</p> <p>The said HUD&PHED Specifications are provided below for reference: MECHANICAL WATER METERS Technology i. Volumetric Rotary Piston / Notating Disc ii. Multi – Jet General Features i. Possibility for Both Visual & Automated Meter Reading (AMR) outputs ii. Tamper proof iii. Provided with non-return valve iv. Un-affected by grit and particulates v. Provided with wire and lead seal vi. Not effected by Magnetic field. Certification i. ISO 4064 (International Organization Standardization) compliant ii. OIML: R49 (International Organization for Legal Metrology) and MID/2004/22/EEC/AWWA/JWWA Detailed Metrology Specifications i. Size: 15mm to 25mm ii. Accuracy: Class II iii. Material: Brass / Non-ferrous Metal iv. Protection Class: IP-68 v. Ambient Temperature: +5 to 55 C vi. Liquid Temperature: Up to 50 C vii. Maximum working pressure: 16 bar viii. Flow rate: Q3/Q1 = 160 ix. Maximum Flow rate (m³/hr.): Q3 15mm 20mm 25mm 2.5 4.0 6.3 x. Installation: a. Any direction b. Horizontal (Multijet)</p>	Each	
	15 mm (Notating Disc Type)		

Disclaimer: Tentative quantity has been mentioned in Section IV of this Document and it shall not be binding on employer or WASAs. Bidder may win the Contract for the particular meter type in which he quotes the lowest. It is not the binding for bidder to quote for all types of meters.

Name of Bidder: _____

In the capacity of: _____

Signed: _____

Duly authorized to sign the Bid for and on behalf of _____

Date: _____

Stamp: _____

FINANCIAL BID FORM 2(b)

PRICE SCHEDULE

(Water Meter Type: Notating Disc, DN 20 mm)

Country of Origin: _____

Item	Description	Unit	Rate Quoted by the bidder
			Unit Rate (PKR only)
1	<p>Supply of Domestic Water Meter at stores of respective WASA, as per HUD&PHED specifications, via Notification No. SO(UD)10-26/2015 Dated 21st Jan., 2016.</p> <p>The said HUD&PHED Specifications are provided below for reference: MECHANICAL WATER METERS Technology i. Volumetric Rotary Piston / Notating Disc ii. Multi – Jet General Features i. Possibility for Both Visual & Automated Meter Reading (AMR) outputs ii. Tamper proof iii. Provided with non-return valve iv. Un-affected by grit and particulates v. Provided with wire and lead seal vi. Not effected by Magnetic field. Certification i. ISO 4064 (International Organization Standardization) compliant ii. OIML: R49 (International Organization for Legal Metrology) and MID/2004/22/EEC/AWWA/JWWA Detailed Metrology Specifications i. Size: 15mm to 25mm ii. Accuracy: Class II iii. Material: Brass / Non-ferrous Metal iv. Protection Class: IP-68 v. Ambient Temperature: +5 to 55 C vi. Liquid Temperature: Up to 50 C vii. Maximum working pressure: 16 bar viii. Flow rate: Q3/Q1 = 160 ix. Maximum Flow rate (m³/hr.): Q3 15mm 20mm 25mm 2.5 4.0 6.3 x. Installation: a. Any direction b. Horizontal (Multijet)</p> <p>20 mm (Notating Disc Type)</p>	Each	

Disclaimer: Tentative quantity has been mentioned in Section IV of this Document and it shall not be binding on employer or WASAs. Bidder may win the Contract for the particular meter type in which he quotes the lowest. It is not the binding for bidder to quote for all types of meters.

Name of Bidder: _____

In the capacity of: _____

Signed: _____

Duly authorized to sign the Bid for and on behalf of _____

Date: _____

Stamp: _____

FINANCIAL BID FORM 2(c)

PRICE SCHEDULE

(Water Meter Type: Notating Disc, DN 25 mm)

Country of Origin: _____

Item	Description	Unit	Rate Quoted by the bidder
			Unit Rate (PKR only)
1	<p>Supply of Domestic Water Meter at stores of respective WASA, as per HUD&PHED specifications, via Notification No. SO(UD)10-26/2015 Dated 21st Jan., 2016</p> <p>The said HUD&PHED Specifications are provided below for reference: MECHANICAL WATER METERS Technology i. Volumetric Rotary Piston / Notating Disc ii. Multi – Jet General Features i. Possibility for Both Visual & Automated Meter Reading (AMR) outputs ii. Tamper proof iii. Provided with non-return valve iv. Un-affected by grit and particulates v. Provided with wire and lead seal vi. Not effected by Magnetic field. Certification i. ISO 4064 (International Organization Standardization) compliant ii. OIML: R49 (International Organization for Legal Metrology) and MID/2004/22/EEC/AWWA/JWWA Detailed Metrology Specifications i. Size: 15mm to 25mm ii. Accuracy: Class II iii. Material: Brass / Non-ferrous Metal iv. Protection Class: IP-68 v. Ambient Temperature: +5 to 55 C vi. Liquid Temperature: Up to 50 C vii. Maximum working pressure: 16 bar viii. Flow rate: Q3/Q1 = 160 ix. Maximum Flow rate (m³/hr.): Q3 15mm 20mm 25mm 2.5 4.0 6.3 x. Installation: a. Any direction b. Horizontal (Multijet)</p>	Each	
	25 mm (Notating Disc Type)		

Disclaimer: Tentative quantity has been mentioned in Section IV of this Document and it shall not be binding on employer or WASAs. Bidder may win the Contract for the particular meter type in which he quotes the lowest. It is not the binding for bidder to quote for all types of meters.

Name of Bidder: _____

In the capacity of: _____

Signed: _____

Duly authorized to sign the Bid for and on behalf of _____

Date: _____

Stamp: _____

FINANCIAL BID FORM 3(a)

PRICE SCHEDULE

(Water Meter Type: Multi-jet, Wet Dial, DN 15 mm)

Country of Origin: _____

Item	Description	Unit	Rate Quoted by the bidder								
			Unit Rate (PKR only)								
1	<p>Supply of Domestic Water Meter at stores of respective WASA, as per HUD&PHED specifications, via Notification No. SO(UD)10-26/2015 Dated 21st Jan., 2016.</p> <p>The said HUD&PHED Specifications are provided below for reference: MECHANICAL WATER METERS Technology <ul style="list-style-type: none"> i. Volumetric Rotary Piston / Notating Disc ii. Multi – Jet General Features <ul style="list-style-type: none"> i. Possibility for Both Visual & Automated Meter Reading (AMR) outputs ii. Tamper proof iii. Provided with non-return valve iv. Un-affected by grit and particulates v. Provided with wire and lead seal vi. Not effected by Magnetic field. Certification <ul style="list-style-type: none"> i. ISO 4064 (International Organization Standardization) compliant ii. OIML: R49 (International Organization for Legal Metrology) and MID/2004/22/EEC/AWWA/JWWA Detailed Metrology Specifications <ul style="list-style-type: none"> i. Size: 15mm to 25mm ii. Accuracy: Class II iii. Material: Brass / Non-ferrous Metal iv. Protection Class: IP-68 v. Ambient Temperature: +5 to 55 C vi. Liquid Temperature: Up to 50 C vii. Maximum working pressure: 16 bar viii. Flow rate: Q3/Q1 = 160 ix. Maximum Flow rate (m³/hr.): <table style="margin-left: 20px;"> <tr> <td>Q3</td> <td>15mm</td> <td>20mm</td> <td>25mm</td> </tr> <tr> <td></td> <td>2.5</td> <td>4.0</td> <td>6.3</td> </tr> </table> x. Installation: <ul style="list-style-type: none"> a. Any direction b. Horizontal (Multijet) </p>	Q3	15mm	20mm	25mm		2.5	4.0	6.3	Each	
Q3	15mm	20mm	25mm								
	2.5	4.0	6.3								

Disclaimer: Tentative quantity has been mentioned in Section IV of this Document and it shall not be binding on employer or WASAs. Bidder may win the Contract for the particular meter type in which he quotes the lowest. It is not the binding for bidder to quote for all types of meters.

Name of Bidder: _____

In the capacity of: _____

Signed: _____

Duly authorized to sign the Bid for and on behalf of _____

Date: _____

Stamp: _____

FINANCIAL BID FORM 3(b)

PRICE SCHEDULE

(Water Meter Type: Multi-jet, Wet Dial DN 20 mm)

Country of Origin: _____

Item	Description	Unit	Rate Quoted by the bidder
			Unit Rate (PKR only)
1	<p>Supply of Domestic Water Meter at stores of respective WASA, as per HUD&PHED specifications, via Notification No. SO(UD)10-26/2015 Dated 21st Jan., 2016</p> <p>The said HUD&PHED Specifications are provided below for reference: MECHANICAL WATER METERS Technology i. Volumetric Rotary Piston / Notating Disc ii. Multi – Jet General Features i. Possibility for Both Visual & Automated Meter Reading (AMR) outputs ii. Tamper proof iii. Provided with non-return valve iv. Un-affected by grit and particulates v. Provided with wire and lead seal vi. Not effected by Magnetic field. Certification i. ISO 4064 (International Organization Standardization) compliant ii. OIML: R49 (International Organization for Legal Metrology) and MID/2004/22/EEC/AWWA/JWWA Detailed Metrology Specifications i. Size: 15mm to 25mm ii. Accuracy: Class II iii. Material: Brass / Non-ferrous Metal iv. Protection Class: IP-68 v. Ambient Temperature: +5 to 55 C vi. Liquid Temperature: Up to 50 C vii. Maximum working pressure: 16 bar viii. Flow rate: Q3/Q1 = 160 ix. Maximum Flow rate (m³/hr.): Q3 15mm 20mm 25mm 2.5 4.0 6.3 x. Installation: a. Any direction b. Horizontal (Multijet)</p>	Each	
	20 mm (Multi-jet, Wet Dial Type)		

Disclaimer: Tentative quantity has been mentioned in Section IV of this Document and it shall not be binding on employer or WASAs. Bidder may win the Contract for the particular meter type in which he quotes the lowest. It is not the binding for bidder to quote for all types of meters.

Name of Bidder: _____

In the capacity of: _____

Signed: _____

Duly authorized to sign the Bid for and on behalf of _____

Date: _____

Stamp: _____

FINANCIAL BID FORM 3(c)

PRICE SCHEDULE

(Water Meter Type: Multi-jet, Wet Dial DN 25 mm)

Country of Origin: _____

Item	Description	Unit	Rate Quoted by the bidder
			Unit Rate (PKR only)
1	<p>Supply of Domestic Water Meter at stores of respective WASA, as per HUD&PHED specifications, via Notification No. SO(UD)10-26/2015 Dated 21st Jan., 2016</p> <p>The said HUD&PHED Specifications are provided below for reference: MECHANICAL WATER METERS Technology i. Volumetric Rotary Piston / Notating Disc ii. Multi – Jet General Features i. Possibility for Both Visual & Automated Meter Reading (AMR) outputs ii. Tamper proof iii. Provided with non-return valve iv. Un-affected by grit and particulates v. Provided with wire and lead seal vi. Not effected by Magnetic field. Certification i. ISO 4064 (International Organization Standardization) compliant ii. OIML: R49 (International Organization for Legal Metrology) and MID/2004/22/EEC/AWWA/JWWA Detailed Metrology Specifications i. Size: 15mm to 25mm ii. Accuracy: Class II iii. Material: Brass / Non-ferrous Metal iv. Protection Class: IP-68 v. Ambient Temperature: +5 to 55 C vi. Liquid Temperature: Up to 50 C vii. Maximum working pressure: 16 bar viii. Flow rate: Q3/Q1 = 160 ix. Maximum Flow rate (m³/hr.): Q3 15mm 20mm 25mm 2.5 4.0 6.3 x. Installation: a. Any direction b. Horizontal (Multijet)</p> <p>25 mm (Multi-jet, Wet Dial Type)</p>	Each	

Disclaimer: Tentative quantity has been mentioned in Section IV of this Document and it shall not be binding on employer or WASAs. Bidder may win the Contract for the particular meter type in which he quotes the lowest. It is not the binding for bidder to quote for all types of meters.

Name of Bidder: _____

In the capacity of: _____

Signed: _____

Duly authorized to sign the Bid for and on behalf of _____

Date: _____

Stamp: _____

FINANCIAL BID FORM 4(a)

PRICE SCHEDULE

(Water Meter Type: Multi-jet, Semi Dry Dial DN 15 mm)

Country of Origin: _____

Item	Description	Unit	Rate Quoted by the bidder
			Unit Rate (PKR only)
1	<p>Supply of Domestic Water Meter at stores of respective WASA, as per HUD&PHED specifications, via Notification No. SO(UD)10-26/2015 Dated 21st Jan., 2016.</p> <p>The said HUD&PHED Specifications are provided below for reference: MECHANICAL WATER METERS Technology i. Volumetric Rotary Piston / Notating Disc ii. Multi – Jet General Features i. Possibility for Both Visual & Automated Meter Reading (AMR) outputs ii. Tamper proof iii. Provided with non-return valve iv. Un-affected by grit and particulates v. Provided with wire and lead seal vi. Not effected by Magnetic field. Certification i. ISO 4064 (International Organization Standardization) compliant ii. OIML: R49 (International Organization for Legal Metrology) and MID/2004/22/EEC/AWWA/JWWA Detailed Metrology Specifications i. Size: 15mm to 25mm ii. Accuracy: Class II iii. Material: Brass / Non-ferrous Metal iv. Protection Class: IP-68 v. Ambient Temperature: +5 to 55 C vi. Liquid Temperature: Up to 50 C vii. Maximum working pressure: 16 bar viii. Flow rate: Q3/Q1 = 160 ix. Maximum Flow rate (m³/hr.): Q3 15mm 20mm 25mm 2.5 4.0 6.3 x. Installation: a. Any direction b. Horizontal (Multijet)</p>	Each	
	15 mm (Multi-jet, Semi-Dry Dial Type)		

Disclaimer: Tentative quantity has been mentioned in Section IV of this Document and it shall not be binding on employer or WASAs. Bidder may win the Contract for the particular meter type in which he quotes the lowest. It is not the binding for bidder to quote for all types of meters.

Name of Bidder: _____

In the capacity of: _____

Signed: _____

Duly authorized to sign the Bid for and on behalf of _____

Date: _____

Stamp: _____

FINANCIAL BID FORM 4(b)

PRICE SCHEDULE

(Water Meter Type: Multi-jet, Semi Dry Dial DN 20 mm)

Country of Origin: _____

Item	Description	Unit	Rate Quoted by the bidder
			Unit Rate (PKR only)
1	<p>Supply of Domestic Water Meter at stores of respective WASA, as per HUD&PHED specifications, via Notification No. SO(UD)10-26/2015 Dated 21st Jan., 2016.</p> <p>The said HUD&PHED Specifications are provided below for reference: MECHANICAL WATER METERS Technology i. Volumetric Rotary Piston / Notating Disc ii. Multi – Jet General Features i. Possibility for Both Visual & Automated Meter Reading (AMR) outputs ii. Tamper proof iii. Provided with non-return valve iv. Un-affected by grit and particulates v. Provided with wire and lead seal vi. Not effected by Magnetic field. Certification i. ISO 4064 (International Organization Standardization) compliant ii. OIML: R49 (International Organization for Legal Metrology) and MID/2004/22/EEC/AWWA/JWWA Detailed Metrology Specifications i. Size: 15mm to 25mm ii. Accuracy: Class II iii. Material: Brass / Non-ferrous Metal iv. Protection Class: IP-68 v. Ambient Temperature: +5 to 55 C vi. Liquid Temperature: Up to 50 C vii. Maximum working pressure: 16 bar viii. Flow rate: Q3/Q1 = 160 ix. Maximum Flow rate (m³/hr.): Q3 15mm 20mm 25mm 2.5 4.0 6.3 x. Installation: a. Any direction b. Horizontal (Multijet)</p> <p>20 mm (Multi-jet, Semi-Dry Dial Type)</p>	Each	

Disclaimer: Tentative quantity has been mentioned in Section IV of this Document and it shall not be binding on employer or WASAs. Bidder may win the Contract for the particular meter type in which he quotes the lowest. It is not the binding for bidder to quote for all types of meters.

Name of Bidder: _____

In the capacity of: _____

Signed: _____

Duly authorized to sign the Bid for and on behalf of _____

Date: _____

Stamp: _____

FINANCIAL BID FORM 4(c)

PRICE SCHEDULE

(Water Meter Type: Multi-jet, Semi Dry Dial DN 25 mm)

Country of Origin: _____

Item	Description	Unit	Rate Quoted by the bidder
			Unit Rate (PKR only)
1	<p>Supply of Domestic Water Meter at stores of respective WASA, as per HUD&PHED specifications, via Notification No. SO(UD)10-26/2015 Dated 21st Jan., 2016.</p> <p>The said HUD&PHED Specifications are provided below for reference: MECHANICAL WATER METERS Technology i. Volumetric Rotary Piston / Notating Disc ii. Multi – Jet General Features i. Possibility for Both Visual & Automated Meter Reading (AMR) outputs ii. Tamper proof iii. Provided with non-return valve iv. Un-affected by grit and particulates v. Provided with wire and lead seal vi. Not effected by Magnetic field. Certification i. ISO 4064 (International Organization Standardization) compliant ii. OIML: R49 (International Organization for Legal Metrology) and MID/2004/22/EEC/AWWA/JWWA Detailed Metrology Specifications i. Size: 15mm to 25mm ii. Accuracy: Class II iii. Material: Brass / Non-ferrous Metal iv. Protection Class: IP-68 v. Ambient Temperature: +5 to 55 C vi. Liquid Temperature: Up to 50 C vii. Maximum working pressure: 16 bar viii. Flow rate: Q3/Q1 = 160 ix. Maximum Flow rate (m³/hr.): Q3 15mm 20mm 25mm 2.5 4.0 6.3 x. Installation: a. Any direction b. Horizontal (Multijet)</p>	Each	
	25 mm (Multi-jet, Semi-Dry Dial Type)		

Disclaimer: Tentative quantity has been mentioned in Section IV of this Document and it shall not be binding on employer or WASAs. Bidder may win the Contract for the particular meter type in which he quotes the lowest. It is not the binding for bidder to quote for all types of meters.

Name of Bidder: _____

In the capacity of: _____

Signed: _____

Duly authorized to sign the Bid for and on behalf of _____

Date: _____

Stamp: _____

FINANCIAL BID FORM 5(a)

PRICE SCHEDULE

(Water Meter Type: Multi-jet, Dry Dial DN 15 mm)

Country of Origin: _____

Item	Description	Unit	Rate Quoted by the bidder
			Unit Rate (PKR only)
1	<p>Supply of Domestic Water Meter at stores of respective WASA, as per HUD&PHED specifications, via Notification No. SO(UD)10-26/2015 Dated 21st Jan., 2016</p> <p>The said HUD&PHED Specifications are provided below for reference: MECHANICAL WATER METERS Technology i. Volumetric Rotary Piston / Notating Disc ii. Multi – Jet General Features i. Possibility for Both Visual & Automated Meter Reading (AMR) outputs ii. Tamper proof iii. Provided with non-return valve iv. Un-affected by grit and particulates v. Provided with wire and lead seal vi. Not effected by Magnetic field. Certification i. ISO 4064 (International Organization Standardization) compliant ii. OIML: R49 (International Organization for Legal Metrology) and MID/2004/22/EEC/AWWA/JWWA Detailed Metrology Specifications i. Size: 15mm to 25mm ii. Accuracy: Class II iii. Material: Brass / Non-ferrous Metal iv. Protection Class: IP-68 v. Ambient Temperature: +5 to 55 C vi. Liquid Temperature: Up to 50 C vii. Maximum working pressure: 16 bar viii. Flow rate: Q3/Q1 = 160 ix. Maximum Flow rate (m³/hr.): Q3 15mm 20mm 25mm 2.5 4.0 6.3 x. Installation: a. Any direction b. Horizontal (Multijet)</p>	Each	
	15 mm (Multi-jet, Dry Dial Type)		

Disclaimer: Tentative quantity has been mentioned in Section IV of this Document and it shall not be binding on employer or WASAs. Bidder may win the Contract for the particular meter type in which he quotes the lowest. It is not the binding for bidder to quote for all types of meters.

Name of Bidder: _____

In the capacity of: _____

Signed: _____

Duly authorized to sign the Bid for and on behalf of _____

Date: _____

Stamp: _____

FINANCIAL BID FORM 5(b)

PRICE SCHEDULE

(Water Meter Type: Multi-jet, Dry Dial DN 20 mm)

Country of Origin: _____

Item	Description	Unit	Rate Quoted by the bidder
			Unit Rate (PKR only)
1	<p>Supply of Domestic Water Meter at stores of respective WASA, as per HUD&PHED specifications, via Notification No. SO(UD)10-26/2015 Dated 21st Jan., 2016</p> <p>The said HUD&PHED Specifications are provided below for reference: MECHANICAL WATER METERS Technology i. Volumetric Rotary Piston / Notating Disc ii. Multi – Jet General Features i. Possibility for Both Visual & Automated Meter Reading (AMR) outputs ii. Tamper proof iii. Provided with non-return valve iv. Un-affected by grit and particulates v. Provided with wire and lead seal vi. Not effected by Magnetic field. Certification i. ISO 4064 (International Organization Standardization) compliant ii. OIML: R49 (International Organization for Legal Metrology) and MID/2004/22/EEC/AWWA/JWWA Detailed Metrology Specifications i. Size: 15mm to 25mm ii. Accuracy: Class II iii. Material: Brass / Non-ferrous Metal iv. Protection Class: IP-68 v. Ambient Temperature: +5 to 55 C vi. Liquid Temperature: Up to 50 C vii. Maximum working pressure: 16 bar viii. Flow rate: Q3/Q1 = 160 ix. Maximum Flow rate (m³/hr.): Q3 15mm 20mm 25mm 2.5 4.0 6.3 x. Installation: a. Any direction b. Horizontal (Multijet)</p>	Each	
	20 mm (Multi-jet, Dry Dial Type)		

Disclaimer: Tentative quantity has been mentioned in Section IV of this Document and it shall not be binding on employer or WASAs. Bidder may win the Contract for the particular meter type in which he quotes the lowest. It is not the binding for bidder to quote for all types of meters.

Name of Bidder: _____

In the capacity of: _____

Signed: _____

Duly authorized to sign the Bid for and on behalf of _____

Date: _____

Stamp: _____

FINANCIAL BID FORM 5(c)

PRICE SCHEDULE

(Water Meter Type: Multi-jet, Dry Dial DN 25 mm)

Country of Origin: _____

Item	Description	Unit	Rate Quoted by the bidder
			Unit Rate (PKR only)
1	<p>Supply of Domestic Water Meter at stores of respective WASA, as per HUD&PHED specifications, via Notification No. SO(UD)10-26/2015 Dated 21st Jan., 2016.</p> <p>The said HUD&PHED Specifications are provided below for reference: MECHANICAL WATER METERS Technology i. Volumetric Rotary Piston / Notating Disc ii. Multi – Jet General Features i. Possibility for Both Visual & Automated Meter Reading (AMR) outputs ii. Tamper proof iii. Provided with non-return valve iv. Un-affected by grit and particulates v. Provided with wire and lead seal vi. Not effected by Magnetic field. Certification i. ISO 4064 (International Organization Standardization) compliant ii. OIML: R49 (International Organization for Legal Metrology) and MID/2004/22/EEC/AWWA/JWWA Detailed Metrology Specifications i. Size: 15mm to 25mm ii. Accuracy: Class II iii. Material: Brass / Non-ferrous Metal iv. Protection Class: IP-68 v. Ambient Temperature: +5 to 55 C vi. Liquid Temperature: Up to 50 C vii. Maximum working pressure: 16 bar viii. Flow rate: Q3/Q1 = 160 ix. Maximum Flow rate (m³/hr.): Q3 15mm 20mm 25mm 2.5 4.0 6.3 x. Installation: a. Any direction b. Horizontal (Multijet)</p> <p>25 mm (Multi-jet, Dry Dial Type)</p>	Each	

Disclaimer: Tentative quantity has been mentioned in Section IV of this Document and it shall not be binding on employer or WASAs. Bidder may win the Contract for the particular meter type in which he quotes the lowest. It is not the binding for bidder to quote for all types of meters.

Name of Bidder: _____

In the capacity of: _____

Signed: _____

Duly authorized to sign the Bid for and on behalf of _____

Date: _____

Stamp: _____