



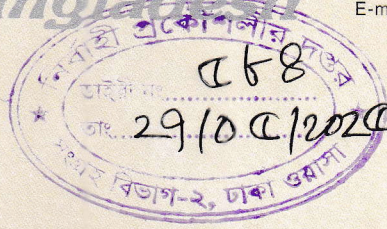
Bangladesh

**Head Office:**

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Date: 27.05.2025



To  
The Executive Engineer  
Procurement Division-2, Dhaka WASA,  
98, Kazi Nazrul Islam Avenue, Kawran Bazar,  
WASA Bhaban (5th floor), Dhaka-1215, Bangladesh

**Subject:** Submission of Third Party Inspection Report and Verified Documents against the contract no. 46.05.0000.428.07.013.24/2024-25/eGP/C-10 for the supply of 50 mm (DN-50), 100 mm (DN-110) & 150 mm (DN-160) Domestic Water Meter for Revenue Zone, Dhaka WASA.

Dear Sir,

We are submitting the Third Party Inspection report and others related documents against the contract no. 46.05.0000.428.07.013.24/2024-25/eGP/C-10 for the supply of 50 mm (DN-50), 100 mm (DN-110) & 150 mm (DN-160) Domestic Water Meter for Revenue Zone, Dhaka WASA as per the tender clause. We therefore request you please allow us to make the shipment as early as possible.

We are hoping for your kind cooperation in this regard.

Thanking you,



Md. Istiaque Ahmed  
Associate Manager  
For, PEPCO Bangladesh



SGS Supervise Gözetme Etüd  
Kontrol Servisleri A.Ş. Industries &  
Environment  
Bağlar Mah. Osmanpaşa Cad. No.95  
İş İstanbul Plaza 34209  
Güneşli - İstanbul - Turkey

## INSPECTION REPORT

Boss Order No 50031512  
File (WI) No 25-0097

Report No: IND433

|                                         |                                                       |                                |                                                                                                                     |
|-----------------------------------------|-------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>A. Project:</b>                      | Procurement Division-2,<br>DWASA                      | <b>B. Supplier:</b>            | BAYLAN ÖLÇÜ<br>ALETLERİ SAN. VE TİC.<br>A.Ş.                                                                        |
| Project Ref. No.:                       | 46.05.0000.428.07.013.24/<br>2024-25/eGP/C-10         | Details:                       |                                                                                                                     |
| <b>C. Inspection:</b>                   | PSI                                                   | <b>D. Buyer:</b>               | PEPCO Bangladesh                                                                                                    |
| Customer Ref.No:                        | 001105029-0202                                        | End User:                      | Dhaka WASA                                                                                                          |
| <b>E. Customer:</b>                     | BAYLAN ÖLÇÜ ALETLERİ<br>SAN. VE TİC. A.Ş.             | <b>F. Place of Inspection:</b> | BAYLAN ÖLÇÜ<br>ALETLERİ SAN. VE TİC.<br>A.Ş. / İZMİR                                                                |
| Contact Person:                         | Büşra AYDIN                                           | Contact Person:<br>Address:    | Büşra AYDIN<br>BAYLAN OLCU ALETLERİ<br>SAN VE TİC. A.Ş 10032 Sk.<br>No: 16 Zip Code:35620<br>Cigli / İZMİR - TURKEY |
| <b>G. Managing SGS<br/>office data:</b> | SGS Supervise Gözetme<br>Etüd Kontrol Servisleri A.Ş. | Phone/Fax:                     | 0538 971 57 95                                                                                                      |
| MA Coordinator:                         | Zeynep Uğurlu<br>(zeynep.ugurlu@sgs.com)              |                                |                                                                                                                     |
| <b>H. Date of Work<br/>Order:</b>       | 19.03.2025                                            | <b>I. Date of Inspection:</b>  | 24.03.2025<br>& 26.05.2025                                                                                          |

|                                                             |                                                            |                                                    |
|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------|
| <b>J. Inspection Type:</b>                                  | <b>Spot Inspection</b> <input checked="" type="checkbox"/> | <b>Project Inspection</b> <input type="checkbox"/> |
| <input type="checkbox"/> Pre-Production Inspection          | <input type="checkbox"/> Manufacturing Inspection          | <input type="checkbox"/> Final Acceptance Tests    |
| <input checked="" type="checkbox"/> Pre-Shipment Inspection | <input type="checkbox"/> Loading/Unloading Supervision     | <input type="checkbox"/> In-Service Inspection     |
| <input type="checkbox"/> Project Monitoring                 | <input type="checkbox"/> COI Inspection                    | <input type="checkbox"/> Expediting                |
| Sampling Plan (if applicable)                               | "General Levels II"                                        |                                                    |
| Other (if any)                                              |                                                            |                                                    |

| K. Scope of Work:             | Requested                           |                          | Comments |
|-------------------------------|-------------------------------------|--------------------------|----------|
|                               | Inspection                          | Review                   |          |
| According to approved ITP     | <input type="checkbox"/>            | <input type="checkbox"/> |          |
| Visual Quality Check          | <input checked="" type="checkbox"/> | <input type="checkbox"/> |          |
| Quantity Check                | <input checked="" type="checkbox"/> | <input type="checkbox"/> |          |
| Marking / Packing Check       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |          |
| Dimensional Check             | <input type="checkbox"/>            | <input type="checkbox"/> |          |
| Weight Check                  | <input type="checkbox"/>            | <input type="checkbox"/> |          |
| Functional Check              | <input type="checkbox"/>            | <input type="checkbox"/> |          |
| Loading/Unloading Supervision | <input type="checkbox"/>            | <input type="checkbox"/> |          |
| Test Witness                  | <input type="checkbox"/>            | <input type="checkbox"/> |          |
| Document Review               | <input checked="" type="checkbox"/> | <input type="checkbox"/> |          |
| Sampling                      | <input type="checkbox"/>            | <input type="checkbox"/> |          |
| Expediting                    | <input type="checkbox"/>            | <input type="checkbox"/> |          |
| Construction Supervision      | <input type="checkbox"/>            | <input type="checkbox"/> |          |
| Others: (as specified):       | <input type="checkbox"/>            | <input type="checkbox"/> |          |
| <b>Further description:</b>   |                                     |                          |          |

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İş İstanbul Plaza 34209  
Güneşli - İstanbul - Turkey

## INSPECTION REPORT

Boss Order No 50031512  
File (VI) No 25-0097

Report No: IND433

L. Equipment/Goods  
requested for inspection:

Water Meter

### M. Referenced Documents:

|                                       | Document No | Rev No. or Year<br>Issued | Attached                            | On Site                  |
|---------------------------------------|-------------|---------------------------|-------------------------------------|--------------------------|
| INDIV Gözetim Faaliyetleri Prosedürü  | S-IND-PR-05 | SGS portal                | <input type="checkbox"/>            | <input type="checkbox"/> |
| Applicable Norms, Standards and Specs |             |                           | <input type="checkbox"/>            | <input type="checkbox"/> |
| Proforma                              | 250101_B    |                           | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| L/C                                   |             |                           | <input type="checkbox"/>            | <input type="checkbox"/> |
| Purchase Order                        |             |                           | <input type="checkbox"/>            | <input type="checkbox"/> |
| Technical Specs / Data Sheet          |             |                           | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Approved Drawings                     |             |                           | <input type="checkbox"/>            | <input type="checkbox"/> |
| Inspection Test Plan (ITP)            |             |                           | <input type="checkbox"/>            | <input type="checkbox"/> |
| Test Procedures                       |             |                           | <input type="checkbox"/>            | <input type="checkbox"/> |
| Others                                |             |                           | <input type="checkbox"/>            | <input type="checkbox"/> |

### N. Personal Protective Equipments:

- |                                                          |                                                                 |                                                                      |
|----------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------|
| <input checked="" type="checkbox"/> SGS Uniform          | <input checked="" type="checkbox"/> Safety Boots/Shoes          | <input checked="" type="checkbox"/> Hard Hat                         |
| <input checked="" type="checkbox"/> High Visibility Vest | <input checked="" type="checkbox"/> Safety Glasses/Goggles      | <input checked="" type="checkbox"/> Safety Gloves                    |
| <input checked="" type="checkbox"/> Ear Plugs/Muffs      | <input checked="" type="checkbox"/> Dust/Particulate Respirator | <input type="checkbox"/> Lifejacket (Personal Flotation Device)      |
| <input type="checkbox"/> Gas/O2 Detectors                | <input type="checkbox"/> Gas/Chemical Mask                      | <input type="checkbox"/> Fall Protection Equipm. (Harness & Lanyard) |

## SITE REPORT (DETAILS)

O. Inspection Dates / Manday:

24.03.2025 & 26.05.2025

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| P. Inspection Result:                        | <input checked="" type="checkbox"/> <b>satisfactory</b><br><input type="checkbox"/> <b>conditionally accepted</b> (see report details)<br><input type="checkbox"/> <b>non conforming</b> (see report details)<br><input type="checkbox"/> <b>rejected</b> (see report details)<br><input type="checkbox"/> <b>aborted inspection</b> (see report details)                                                                                                                                                                                                                                                                                                                                             | Q. NCR/Punch list<br>issued:                                                                   |
|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <input type="checkbox"/> No<br><input checked="" type="checkbox"/> Yes<br>(see report details) |
| R. Inspection Summary<br>& Short Conclusion: | Visual inspection was performed on the water meters. The goods were seen brand new and without damage.<br><br>Performance, Pressure and Head Loss tests were performed under our witnessing. Test results were found satisfactory.<br><br>Pulse outputs were functionally tested under our witnessing. It generates a pulse at the rate of at least per 100 lt. Result was found satisfactory.<br><br>IP68 test of water meter model TK-7C was performed under our witnessing. Test result was found satisfactory.<br><br>Technical specifications of the water meters were checked according to Compliance sheet of 50 mm ,100 mm, 150 mm Domestic and Bulk Water Meter. Details are given in R.5.1. |                                                                                                |

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## INSPECTION REPORT

Boss Order No 50031512  
File (WI) No 25-0097

Report No: IND433

### R.1. Attendees

Erhan Arık - SGS  
Yağız Ülger-Baylan  
Halil İbrahim Gezen – Baylan  
Büşra Aydın - Baylan

### R.2. Documents Used

P/I no: 250101\_B  
Compliance Sheet of 50 mm ,100 mm, 150 mm Domestic and Bulk Water Meter  
Technical Specification of 50 mm Domestic Water Meters (Dry Dial Multi-Jet Water Meters)  
Technical Specification of 100 mm Bulk Water Meter  
Technical Specification of 150 mm Bulk Water Meter

### R.3. Measuring Equipment Used

Test Bench no: 809  
Test Bench no: 869  
Test Bench no: 1244  
Test Bench no: 1354

### R.4. Equipment / Goods Inspected

DN50 mm (TK-7C) R160, multi-jet dry dial (IP68) Water Meter with mineral glass and pulse output cable  
2mt with couplings  
DN100 mm Woltmann Water Meter 1K=100LT Pulse Output Cable (BW-100) R 160  
DN150 mm Woltmann Water Meter 1K=1000LT Pulse Output Cable (BW-150) R 160  
%5 Spare Parts

### R.5. Inspection Activities and Results

#### R.5.1. Visual Quality

Visual controls have been performed on randomly selected water meters. The goods were seen brand new and without damage.

Serial numbers of visually inspected water meters are as follows.

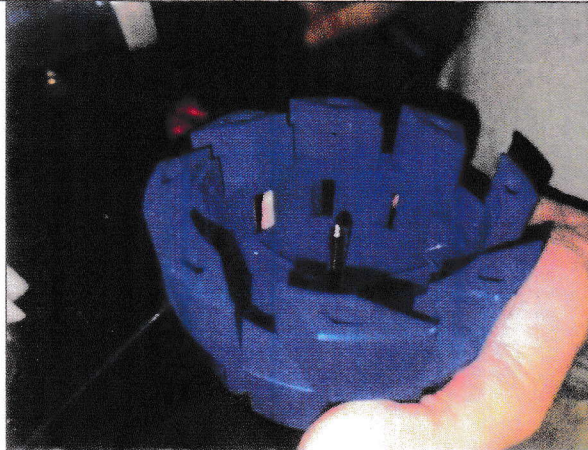
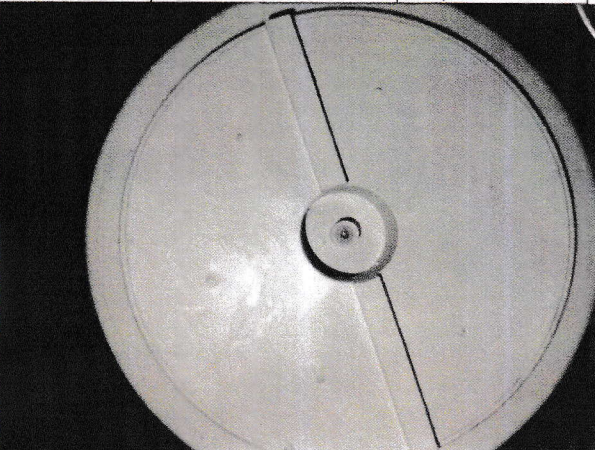
| Description              | Serial No |
|--------------------------|-----------|
| TK-7C DN50 water meter   | 24924400  |
|                          | 24924399  |
|                          | 24924363  |
|                          | 24924364  |
| BW-100 DN100 Water Meter | 24918557  |
|                          | 24918561  |
| BW-150 DN150 Water Meter | 24918652  |
|                          | 24918656  |

Technical specifications of the water meters were checked according to Compliance sheet of 25 mm (DN25) Domestic Water Meter. Details are given below

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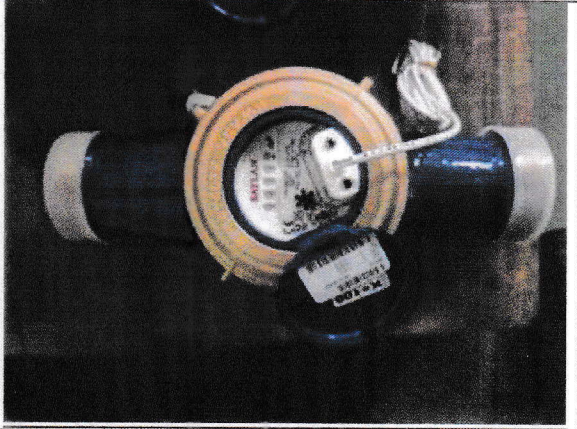
Σ A

Report No: IND433

| Sl no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Essential Criteria                                                                  | Remark / Result                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |                                               |             |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------|-------------|--|--|-------------|----|-----|----|-----|----|-------|----|-----|---|-----|------|-------|----|-----|-----|-----|------|-------|----|-----|---|-----|------|-------|----|-----|---|-----|------|-------|----|-----|---|-----|------|-------|----|-----|---|-----|------|-------|---|-----|---|-----|------|-------|----|-----|---|-----|------|-------|----|-----|---|-----|------|-------|----|-----|---|-----|------|-------|----|-----|---|-----|------|-------|----|-----|----------|-----|----------|-------|
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | General                                                                             | Verified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |                                               |             |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Materials & Construction                                                            | Material grade of the water meter body (DN50) is brass alloy which conforming to DIN50930. Material and chemical analysis certificate of the water meter body was presented for our review. The chemical composition of the water meter body was mentioned as below in the certificate. Water meter was disassembled for checking materials of the hydraulic chamber. The spindles had been made of polished stainless steel with tungsten carbide tip and the bearings had sapphire. Internal pressure cups had been made of plastic material. The data sheet of the plastic material is attached to this report. |         |                                               |             |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |
| <table><tr><th>Element</th><th colspan="4">DIN50930-6 Standard Min – Max Value Range (%)</th><th>Test result</th></tr><tr><td>Cu</td><td>Min</td><td>58</td><td>Max</td><td>63</td><td>58,61</td></tr><tr><td>Sn</td><td>Min</td><td>0</td><td>Max</td><td>0,30</td><td>0,133</td></tr><tr><td>Pb</td><td>Min</td><td>0,5</td><td>Max</td><td>2,20</td><td>1,961</td></tr><tr><td>Al</td><td>Min</td><td>0</td><td>Max</td><td>0,80</td><td>0,642</td></tr><tr><td>Ni</td><td>Min</td><td>0</td><td>Max</td><td>0,20</td><td>0,129</td></tr><tr><td>Mn</td><td>Min</td><td>0</td><td>Max</td><td>0,10</td><td>0,003</td></tr><tr><td>Fe</td><td>Min</td><td>0</td><td>Max</td><td>0,30</td><td>0,227</td></tr><tr><td>P</td><td>Min</td><td>0</td><td>Max</td><td>0,02</td><td>0,005</td></tr><tr><td>Cr</td><td>Min</td><td>0</td><td>Max</td><td>0,10</td><td>0,002</td></tr><tr><td>As</td><td>Min</td><td>0</td><td>Max</td><td>0,10</td><td>0,009</td></tr><tr><td>Sb</td><td>Min</td><td>0</td><td>Max</td><td>0,10</td><td>0,002</td></tr><tr><td>Si</td><td>Min</td><td>0</td><td>Max</td><td>0,05</td><td>0,011</td></tr><tr><td>Zn</td><td>Min</td><td>Reminder</td><td>Max</td><td>Reminder</td><td>38,27</td></tr></table> |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Element | DIN50930-6 Standard Min – Max Value Range (%) |             |  |  | Test result | Cu | Min | 58 | Max | 63 | 58,61 | Sn | Min | 0 | Max | 0,30 | 0,133 | Pb | Min | 0,5 | Max | 2,20 | 1,961 | Al | Min | 0 | Max | 0,80 | 0,642 | Ni | Min | 0 | Max | 0,20 | 0,129 | Mn | Min | 0 | Max | 0,10 | 0,003 | Fe | Min | 0 | Max | 0,30 | 0,227 | P | Min | 0 | Max | 0,02 | 0,005 | Cr | Min | 0 | Max | 0,10 | 0,002 | As | Min | 0 | Max | 0,10 | 0,009 | Sb | Min | 0 | Max | 0,10 | 0,002 | Si | Min | 0 | Max | 0,05 | 0,011 | Zn | Min | Reminder | Max | Reminder | 38,27 |
| Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DIN50930-6 Standard Min – Max Value Range (%)                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |                                               | Test result |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |
| Cu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Min                                                                                 | 58                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Max     | 63                                            | 58,61       |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |
| Sn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Min                                                                                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Max     | 0,30                                          | 0,133       |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |
| Pb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Min                                                                                 | 0,5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Max     | 2,20                                          | 1,961       |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |
| Al                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Min                                                                                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Max     | 0,80                                          | 0,642       |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |
| Ni                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Min                                                                                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Max     | 0,20                                          | 0,129       |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |
| Mn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Min                                                                                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Max     | 0,10                                          | 0,003       |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |
| Fe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Min                                                                                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Max     | 0,30                                          | 0,227       |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |
| P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Min                                                                                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Max     | 0,02                                          | 0,005       |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |
| Cr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Min                                                                                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Max     | 0,10                                          | 0,002       |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |
| As                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Min                                                                                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Max     | 0,10                                          | 0,009       |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |
| Sb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Min                                                                                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Max     | 0,10                                          | 0,002       |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |
| Si                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Min                                                                                 | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Max     | 0,05                                          | 0,011       |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |
| Zn                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Min                                                                                 | Reminder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Max     | Reminder                                      | 38,27       |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |                                               |             |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | the spindle with tungsten carbide.                                                  | Sapphire bearing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |                                               |             |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                     | Material grade of the water meter body (DN100 & DN150) was seen EN GJS 400-15 cast iron. The flanges of the water meter had been drilled                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |                                               |             |  |  |             |    |     |    |     |    |       |    |     |   |     |      |       |    |     |     |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |   |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |   |     |      |       |    |     |          |     |          |       |

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|   |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3 | Standards          | according to DIN 2501 PN16 as required.<br>The factory has required quality system certificates. The water meters had MID certificate. Please see attachment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 4 | Marking            | Required marking was seen on the water meters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 5 | Size               | Verified with dimension check.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 6 | Meter Flow Chamber | Verified with visual check.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 7 | Register           | <p><u>DN50 water meters</u><br/>Verified with visual check.</p> <p><u>DN100 water meters</u><br/>Max. reading of water meter was seen as mentioned in technical specification. Register interval was seen 0,001 m3.</p> <p><u>DN150 water meters</u><br/>Max. reading of water meter was seen as mentioned in technical specification. Register interval was seen 0,01 m3.</p> <p>The test report of mineral glass material was present to us for our review. The test report was reviewed and attached to this report.</p> <p>IP68 test of water meter model TK-7C (DN50) was performed under our witnessing. Test result was found satisfactory.</p> |
|   |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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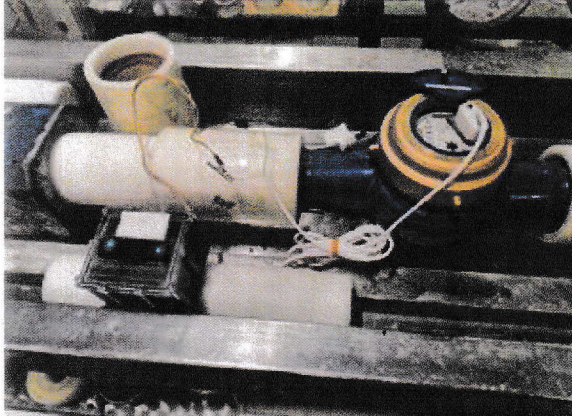
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|   |                              |                                                                                                                                                                                                                                                                               |
|---|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |                              |                                                                                                                                                                                                                                                                               |
|   |                              |                                                                                                                                                                                                                                                                               |
| 8 | Automatic Meter Reader (AMR) | Pulse outputs were functionally tested during accuracy test. It generates a pulse at the rate of at least per 100 lt for DN 100 & DN 50 water meters. It generates a pulse at the rate of at least per 1000 lt for DN 150 water meters. Test results were found satisfactory. |
|   |                              |                                                                                                                                                                                                                                                                               |

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|    |                                                                                   |                                                                                                                                                                                                                         |
|----|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |  |                                                                                                                                       |
| 9  | Connectors                                                                        | Each DN50 water meter has end connectors for both ends. DN 100 & DN 150 water meters have flanged ends.                                                                                                                 |
| 10 | Performance requirements                                                          | Accuracy test (indication of error) was performed under our witnessing at following flow rates: Q <sub>4</sub> , Q <sub>3</sub> , Q <sub>2</sub> , Q <sub>1</sub> according to ISO 4064. Result was found satisfactory. |
| 11 | Flow Characteristics (As per Technical Specification).                            | Accuracy test (indication of error) and Head loss test were performed under our witnessing. Result was found satisfactory.                                                                                              |
| 12 | Pressure                                                                          | Static pressure test was performed under our witnessing. Result was found satisfactory.                                                                                                                                 |
| 13 | Head loss                                                                         | Head loss test was performed under our witnessing. Result was found satisfactory.                                                                                                                                       |
| 14 | Sealing                                                                           | Water meter has seal.                                                                                                                                                                                                   |
| 15 | Coatings                                                                          | No coating defects was observed on coated surfaces.                                                                                                                                                                     |

### R.5.2. Quantity

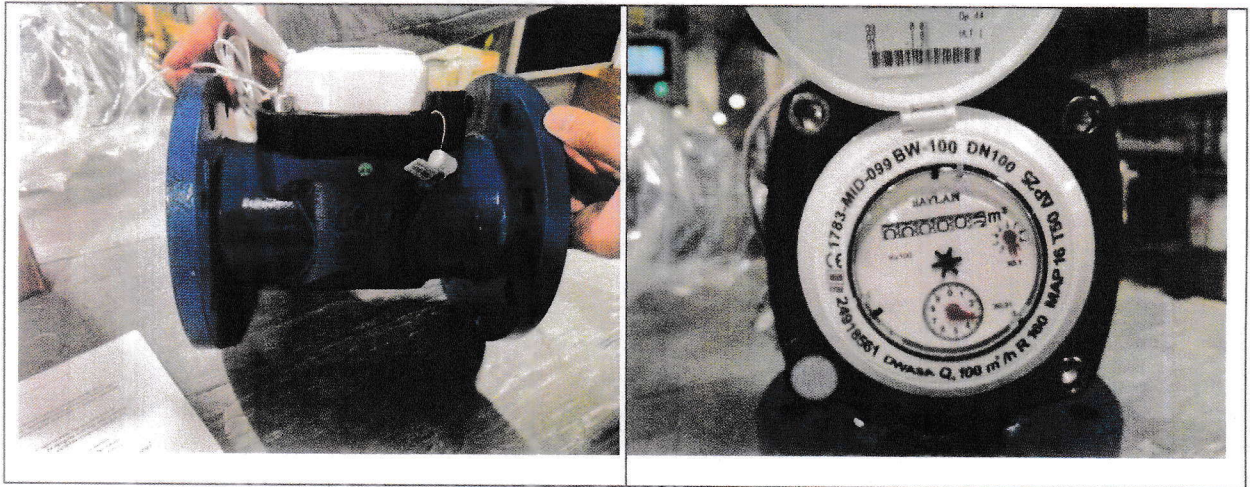
| Description                                                                                                              | Quantity  |
|--------------------------------------------------------------------------------------------------------------------------|-----------|
| DN50 mm (TK-7C) R160, multi-jet dry dial (IP68) Water Meter with mineral glass and pulse output cable 2mt with couplings | 1000 pcs. |
| DN100 mm Woltmann Water Meter 1K=100LT Pulse Output Cable (BW-100) R 160                                                 | 250 pcs.  |
| DN150 mm Woltmann Water Meter 1K=1000LT Pulse Output Cable (BW-150) R 160                                                | 50 pcs.   |
| %5 Spare parts                                                                                                           |           |

### R.5.3. Marking / Packing

Water meters had packed in plywood/carboard boxes. These boxes were packed on the wooden pallets.

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Following marking was seen on the water meters. Required marking was seen on the water meters.



### R.5.4. Dimensional

Dimension check was performed for DN100 and DN150 water meters according to DIN 2501 PN16. No deviation was observed.

### R.5.5. Test Witness

The following tests have been performed on randomly selected goods.

- Performance requirements of water
- Result: Satisfactory
- Test reports are attached to this report.

| Description              | Serial No |
|--------------------------|-----------|
| TK-7C DN50 water meter   | 24924400  |
|                          | 24924399  |
|                          | 24924363  |
|                          | 24924364  |
| BW-100 DN100 Water Meter | 24918557  |
|                          | 24918561  |
| BW-150 DN150 Water Meter | 24918652  |
|                          | 24918656  |

- **Pressure test:** This test performed on the following goods mentioned in table below.  
Result: Satisfactory.  
Test reports are attached to this report

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Kontrol Servisleri A.Ş. Industries &  
Environment  
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Güneşli - İstanbul - Turkey

## INSPECTION REPORT

Boss Order No 50031512

File (WI) No 25-0097

Report No: IND433

| Description              | Serial No |
|--------------------------|-----------|
| TK-7C DN50 water meter   | 24924400  |
|                          | 24924399  |
|                          | 24924363  |
|                          | 24924364  |
| BW-100 DN100 Water Meter | 24918557  |
|                          | 24918561  |
| BW-150 DN150 Water Meter | 24918652  |
|                          | 24918656  |

- Head loss test: This test performed on the following goods mentioned in table below.

Result: Satisfactory.

Test reports are attached to this report

| Description              | Serial No |
|--------------------------|-----------|
| TK-7C DN50 water meter   | 24924399  |
|                          | 24924363  |
| BW-100 DN100 Water Meter | 24918557  |
|                          | 24918561  |
| BW-150 DN150 Water Meter | 24918652  |
|                          | 24918656  |

- IP68 test: This test performed on the following goods mentioned in table below.

Result: Satisfactory.

Test reports are attached to this report

| Description            | Serial No |
|------------------------|-----------|
| TK-7C DN50 water meter | 24924394  |

### R.5.6. Loading / Unloading

N/A

### R.5.7. Others

N/A

### R.6. Non Conformities

N/A

### R.7. Actions required

N/A

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## INSPECTION REPORT

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File (WI) No 25-0097

Report No: IND433

### R.8. Conclusion

Visual inspection was performed on the water meters. The goods were seen brand new and without damage.

Performance, Pressure and Head Loss tests were performed under our witnessing. Test results were found satisfactory.

Pulse outputs were functionally tested under our witnessing. It generates a pulse at the rate of at least per 100 lt. Result was found satisfactory.

IP68 test of water meter model TK-7C was performed under our witnessing. Test result was found satisfactory.

Technical specifications of the water meters were checked according to Compliance sheet of 50 mm ,100 mm, 150 mm Domestic Water Meter. Details are given in R.5.1.

### R.9. Attachment List

Test reports  
Calibration Certificates  
Accreditation Certificate  
INTECON Certificates  
TS EN ISO/IEC 17025 certificate  
ISO 9001 Certificate  
IP68 reports  
Casting Report.  
Material Data Sheet of Plastic Material of Internal Pressure Cup  
Mineral Glass Test Report

The above reflects our findings at time and place of inspection. This report does not release buyers or sellers from their contractual responsibilities, nor does it prejudice buyer's right of claim toward sellers/suppliers for compensation for any apparent and/or hidden defects not detected during our inspection or occurring thereafter.

Authorized Specialist: Hakan Zorlu, Metallurgy Engineer  
Issued in Istanbul  
On 26<sup>th</sup> May, 2025

For and on behalf of  
SGS Supervise Gözetme Etüd  
Kontrol Servisleri A.Ş.

ERSİN ATEŞ

