### Participated Companies

<table>
<thead>
<tr>
<th>S. No</th>
<th>Item No.</th>
<th>Name &amp; Description of Item</th>
<th>Pack Size</th>
<th>Bag Brand</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>WTL-01</td>
<td>pH meter portable</td>
<td>1</td>
<td>Orion to Aquas</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Orion with pH buffer solutions 4.0, 7.0, 10.0 and other accessories</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Description**
- **Model:** Orion
- **Manufacturer:** Orion

### pH Meter Specifications
- **Measurement Range:** 0.00 to 16.00
- **Resolution:** 0.01
- **Accuracy:** ± 0.1%
- **Linearity:** ± 0.1%
- **Temperature Compensation:** Automatic
- **Power Source:** 9V Battery
- **Battery Life:** 100 hours

**Notes:**
- All items are required as per tender specifications.
- Technical Evaluation Committee recommends financial bid opening.

**Item:** pH Meter

**Model:** PE 150

**Manufacturer:** Orion

**Specifications:**
- **Measurement Range:** 2.00 to 16.00
- **Resolution:** 0.01
- **Accuracy:** ± 0.1%
- **Lines:** 8 in 9's
- **Color:** Green, Yellow, Red
- **Temperature Compensation:** Automatic
- **Power Source:** 9V Battery

**Notes:**
- All items are required as per tender specifications.
- Technical Evaluation Committee recommends financial bid opening.

**Item:** pH Meter Portable

**Model:** E 8010

**Manufacturer:** Hanna

**Specifications:**
- **Measurement Range:** 0.00 to 14.00
- **Resolution:** 0.01
- **Accuracy:** ± 0.1%
- **Linearity:** ± 0.1%
- **Temperature Compensation:** Automatic

**Notes:**
- All items are required as per tender specifications.
- Technical Evaluation Committee recommends financial bid opening.

**Item:** pH Meter Portable

**Model:** E 8010

**Manufacturer:** Hanna

**Specifications:**
- **Measurement Range:** 0.00 to 14.00
- **Resolution:** 0.01
- **Accuracy:** ± 0.1%
- **Linearity:** ± 0.1%
- **Temperature Compensation:** Automatic

**Notes:**
- All items are required as per tender specifications.
- Technical Evaluation Committee recommends financial bid opening.
<table>
<thead>
<tr>
<th>Item No.</th>
<th>Item Name</th>
<th>Description</th>
<th>Quantity</th>
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</thead>
<tbody>
<tr>
<td>EC/TDS/ Salinity Portable meter</td>
<td>M/s New LABCO Enterprises Karachi</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC/TDS/Temperature Meter: Specification</td>
<td>Model: HI99100</td>
<td></td>
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<tr>
<td>EC</td>
<td>Range: 0 to 3000 µS/cm, Resolution: 0.01 µS/cm, Accuracy: ±0.5% FS</td>
<td></td>
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<tr>
<td>TDS</td>
<td>Range: 0 to 10000 ppm, mg/L, Resolution: 0.01 mg/L, Accuracy: ±5% FS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature</td>
<td>Range: 0 to 100°C, Resolution: 0.1°C, Accuracy: ±0.5°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conductivity Portable Meter: Specification</td>
<td>Model: HI98130</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conductivity</td>
<td>Range: 0 to 100 mS/cm, Resolution: 0.01 mS/cm, Accuracy: ±0.5% FS</td>
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</tr>
<tr>
<td>TDS</td>
<td>Range: 0 to 1000 ppm, mg/L, Resolution: 0.01 mg/L, Accuracy: ±5% FS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature</td>
<td>Range: 0 to 100°C, Resolution: 0.1°C, Accuracy: ±0.5°C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### REMARKS
- 1. M/s Eastern Scientific Karachi
- 2. M/s Analytical Instrument Services Karachi

### WATER QUALITY ANALYSIS MACHINES
- **EC/TDS/Salinity Portable meter**
  - Make: HI99100
  - Description: Model: HI99100
  - Specification: EC: Range: 0 to 3000 µS/cm, Resolution: 0.01 µS/cm, Accuracy: ±0.5% FS. TDS: Range: 0 to 10000 ppm, mg/L, Resolution: 0.01 mg/L, Accuracy: ±5% FS. Temperature: Range: 0 to 100°C, Resolution: 0.1°C, Accuracy: ±0.5°C.
  - Quantity: 1

- **Waterproof Conductivity Meter Portable**
  - Make: HI98130
  - Description: Model: HI98130
  - Specification: Conductivity: Range: 0 to 100 mS/cm, Resolution: 0.01 mS/cm, Accuracy: ±0.5% FS. TDS: Range: 0 to 1000 ppm, mg/L, Resolution: 0.01 mg/L, Accuracy: ±5% FS. Temperature: Range: 0 to 100°C, Resolution: 0.1°C, Accuracy: ±0.5°C.
  - Quantity: 1

---

### ALTERNATE TENDER
- **Alternate Tender is not allowed**
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<tr>
<th>No.</th>
<th>Instrument</th>
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<tr>
<td>3</td>
<td>WTL-03</td>
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<td></td>
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<tr>
<td>4</td>
<td>WTL-04</td>
<td></td>
<td></td>
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<tr>
<td>5</td>
<td>WTL-05</td>
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<td></td>
</tr>
<tr>
<td>6</td>
<td>WTL-06</td>
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### 3. WTL-03
- **Description:** Rudimentary standards
- **Remarks:**
  - 1. Background: Rudimentary standards
  - 2. Rudimentary standards
  - 3. Rudimentary standards
  - 4. Rudimentary standards
  - 5. Rudimentary standards
  - 6. Rudimentary standards
  - 7. Rudimentary standards
  - 8. Rudimentary standards
  - 9. Rudimentary standards
  - 10. Rudimentary standards

### 4. WTL-04
- **Description:** Rudimentary standards
- **Remarks:**
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  - 2. Rudimentary standards
  - 3. Rudimentary standards
  - 4. Rudimentary standards
  - 5. Rudimentary standards
  - 6. Rudimentary standards
  - 7. Rudimentary standards
  - 8. Rudimentary standards
  - 9. Rudimentary standards
  - 10. Rudimentary standards

### 5. WTL-05
- **Description:** Rudimentary standards
- **Remarks:**
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  - 2. Rudimentary standards
  - 3. Rudimentary standards
  - 4. Rudimentary standards
  - 5. Rudimentary standards
  - 6. Rudimentary standards
  - 7. Rudimentary standards
  - 8. Rudimentary standards
  - 9. Rudimentary standards
  - 10. Rudimentary standards

### 6. WTL-06
- **Description:** Rudimentary standards
- **Remarks:**
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  - 2. Rudimentary standards
  - 3. Rudimentary standards
  - 4. Rudimentary standards
  - 5. Rudimentary standards
  - 6. Rudimentary standards
  - 7. Rudimentary standards
  - 8. Rudimentary standards
  - 9. Rudimentary standards
  - 10. Rudimentary standards
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<tr>
<td>7</td>
<td>WTL-07</td>
<td>Test KI 100</td>
<td>Description</td>
<td>HANNA</td>
<td>1</td>
<td>MEPPR</td>
<td>N/Q</td>
<td></td>
<td>Total Hardness Test: Notified:</td>
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<td></td>
<td>1. M/s New Laboratories Karachi</td>
<td>2. M/s Eastern Scientific Karachi</td>
<td>3. M/s Analytical Instruments Services Karachi</td>
<td>Qualified for financial bid opening, with:</td>
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<tr>
<td>8</td>
<td>WTL-08</td>
<td>Test KI 100</td>
<td>Description</td>
<td>HANNA</td>
<td>1</td>
<td>MEPPR</td>
<td>N/Q</td>
<td></td>
<td>Bulken TEST Method: Filtration 2.0-4</td>
<td></td>
<td></td>
<td>1. M/s New Laboratories Karachi</td>
<td>2. M/s Eastern Scientific Karachi</td>
<td>3. M/s Analytical Instruments Services Karachi</td>
<td>Qualified for financial bid opening, with:</td>
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<tr>
<td>9</td>
<td>WTL-09</td>
<td>Test KI 100</td>
<td>Description</td>
<td>HANNA</td>
<td>1</td>
<td>MEPPR</td>
<td>N/Q</td>
<td></td>
<td>Copper TEST: 0.00 - 3.00 mg/L</td>
<td></td>
<td></td>
<td>1. M/s New Laboratories Karachi</td>
<td>2. M/s Eastern Scientific Karachi</td>
<td>3. M/s Analytical Instruments Services Karachi</td>
<td>Qualified for financial bid opening, with:</td>
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<tr>
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<td>Make: Hanaa Instruments Malaysia</td>
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<td></td>
<td>N/Q</td>
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<td>Copper TEST: 0.00 - 3.00 mg/L</td>
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<td>1. M/s Lab Link Hyderabad</td>
<td>2. M/s Scientec</td>
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<tr>
<td>10</td>
<td>WTL-10</td>
<td>Test KI 100</td>
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<td>HANNA</td>
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<td>MEPPR</td>
<td>N/Q</td>
<td></td>
<td>Acetate TEST: 20.0 - 30.0</td>
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<td></td>
<td>1. M/s New Laboratories Karachi</td>
<td>2. M/s Eastern Scientific Karachi</td>
<td>3. M/s Analytical Instruments Services Karachi</td>
<td>Qualified for financial bid opening, with:</td>
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<tr>
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<td>WTL-11</td>
<td>Test KI 100</td>
<td>Description</td>
<td>HANNA</td>
<td>1</td>
<td>MEPPR</td>
<td>N/Q</td>
<td></td>
<td>Chlorite TEST: 0.00 - 1.00</td>
<td></td>
<td></td>
<td>1. M/s New Laboratories Karachi</td>
<td>2. M/s Eastern Scientific Karachi</td>
<td>3. M/s Analytical Instruments Services Karachi</td>
<td>Qualified for financial bid opening, with:</td>
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<tr>
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<td></td>
<td></td>
<td></td>
<td>Make: Hanaa Instruments Malaysia</td>
<td></td>
<td></td>
<td>N/Q</td>
<td></td>
<td>Chlorite TEST: 0.00 - 1.00</td>
<td></td>
<td>1. M/s Lab Link Hyderabad</td>
<td>2. M/s Scientec</td>
<td>Not qualified for financial bid opening.</td>
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<td>WTL-12</td>
<td>Test KI 100</td>
<td>Description</td>
<td>HANNA</td>
<td>1</td>
<td>MEPPR</td>
<td>N/Q</td>
<td></td>
<td>Chlorite TEST: 0.00 - 1.00</td>
<td></td>
<td></td>
<td>1. M/s New Laboratories Karachi</td>
<td>2. M/s Eastern Scientific Karachi</td>
<td>3. M/s Analytical Instruments Services Karachi</td>
<td>Qualified for financial bid opening, with:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Make: Hanaa Instruments Malaysia</td>
<td></td>
<td></td>
<td>N/Q</td>
<td></td>
<td>Chlorite TEST: 0.00 - 1.00</td>
<td></td>
<td>1. M/s Lab Link Hyderabad</td>
<td>2. M/s Scientec</td>
<td>Not qualified for financial bid opening.</td>
<td></td>
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</tbody>
</table>
| 14    | WTL-14   | 100         | Description                        | N/Q                               | N/Q                             | By Serve                             | Kapsch, Contact C                | Germany, 74070, Heidelberg, Germany         | 1. M/s Eastern Scientific Karachi  
2. M/s Analytical Instrument Services Karachi  
3. M/s Lab Link Enterprises  
4. M/s MetroPEC Two Lab Equipment Company Karachi  
5. M/s Analytical Instrument Services Karachi  
Not qualified for financial aid opening, while:  
1. M/s New Lab Enterprises  
2. M/s Lab Link Hyderabad  
3. M/s MetroPEC  
Not qualified for financial aid opening. |
| 15    | WTL-15   | 1           | Description                        | N/Q                               | N/Q                             | By Serve                             | GPS GARMIN-7R (GPS MAP-7R)       | Germany, 74070, Heidelberg, Germany         | 1. M/s Eastern Scientific Karachi  
2. M/s Analytical Instrument Services Karachi  
3. M/s Lab Link Hyderabad  
4. M/s MetroPEC  
Not qualified for financial aid opening, while:  
1. M/s New Lab Enterprises  
2. M/s MetroPEC  
3. M/s Analytical Instrument Services Karachi  
Not qualified for financial aid opening. |
| 16    | WTL-16   | 1           | Description                        | N/Q                               | N/Q                             | By Serve                             | Culture Minicell Inocutor 390 V  
Meric, Germany          | Japan, 2009, Tokyo, Tokyo, Japan                                   | 1. M/s Eastern Scientific Karachi  
2. M/s Analytical Instrument Services Karachi  
3. M/s Lab Link Hyderabad  
4. M/s MetroPEC  
Not qualified for financial aid opening, while:  
1. M/s New Lab Enterprises  
2. M/s Lab Link Hyderabad  
3. M/s MetroPEC  
Not qualified for financial aid opening. |
| 17    | WTL-17   | 1           | Description                        | N/Q                               | N/Q                             | By Serve                             | Labtop Computer with Printer for reporting  
Dell & HP                        | Dell & Printer  
Qualifying for financial aid opening, while:  
1. M/s New Lab Enterprises  
2. M/s Lab Link Hyderabad  
3. M/s MetroPEC  
4. M/s Analytical Instrument Services Karachi  
Not qualified for financial aid opening. |
| 18    | WTL-18   | 1           | Description                        | N/Q                               | N/Q                             | By Serve                             | Generator 3 KVA       | N/Q  
Qualifying for financial aid opening, while:  
1. M/s New Lab Enterprises  
2. M/s Lab Link Hyderabad  
3. M/s MetroPEC  
4. M/s Analytical Instrument Services Karachi  
Not qualified for financial aid opening. |
| 19    | WTL-19   | 1           | Description                        | N/Q                               | N/Q                             | By Serve                             | Fire Extinguisher 2 kg  
N/Q  
Qualifying for financial aid opening, while:  
1. M/s New Lab Enterprises  
2. M/s Lab Link Hyderabad  
3. M/s MetroPEC  
4. M/s Analytical Instrument Services Karachi  
Not qualified for financial aid opening. |
<table>
<thead>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>90.1</td>
<td>29.1</td>
<td>Burette &amp; Stand with 1 ml burette &amp; 10 ml burette, marked with 0.1 ml, as per approved design</td>
<td>24 Each</td>
<td>Ceyatra Glass, Brand Name &amp; Make Model</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>Not Quoted</td>
<td></td>
</tr>
<tr>
<td>90.2</td>
<td>29.2</td>
<td>Separation of lower adjudgation with upper adjudgation and 90 ml beaker with 100 ml beaker with 50 ml beaker with 25 ml beaker with 10 ml beaker, as per sample glasses size 1.5 x 3.5</td>
<td>1 Each</td>
<td>Ceyatra Glass, Brand Name &amp; Make Model</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>Not Quoted</td>
<td></td>
</tr>
<tr>
<td>90.3</td>
<td>29.3</td>
<td>Sheet glass of various sizes for bench stand with pegs</td>
<td>5/8</td>
<td>Ceyatra Glass, Brand Name &amp; Make Model</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>Not Quoted</td>
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<tr>
<td>90.4</td>
<td>29.4</td>
<td>Beating of Remolay as detailed below: Table Top 30&quot; x 20&quot; - 36 Table Sheet 2 x 2 - 4 Separation Sheet 30&quot; x 30&quot; - 10</td>
<td>24 Each</td>
<td>Ceyatra Glass, Brand Name &amp; Make Model</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>Not Quoted</td>
<td></td>
</tr>
<tr>
<td>90.5</td>
<td>29.5</td>
<td>Filling of water in standard glass</td>
<td>1 Each</td>
<td>Ceyatra Glass, Brand Name &amp; Make Model</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>Not Quoted</td>
<td></td>
</tr>
<tr>
<td>90.6</td>
<td>29.6</td>
<td>Last Chamber for weeks 6 to 8, 6 to 8, and 12 to 16, each will be filled to 70% to 100% of its standard volume and act as uniform media</td>
<td>1 Each</td>
<td>Ceyatra Glass, Brand Name &amp; Make Model</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>Not Quoted</td>
<td></td>
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<tr>
<td>90.7</td>
<td>29.7</td>
<td>Heating bath in steel with water</td>
<td>1</td>
<td>Ceyatra Glass, Brand Name &amp; Make Model</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>Not Quoted</td>
<td></td>
</tr>
<tr>
<td>90.8</td>
<td>29.8</td>
<td>Oil Bath made of stainless steel and polished stainless steel</td>
<td>120</td>
<td>Ceyatra Glass, Brand Name &amp; Make Model</td>
<td>X/Q</td>
<td>X/Q</td>
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<tr>
<td>90.9</td>
<td>29.9</td>
<td>Physics of gravity</td>
<td>2 Each</td>
<td>Ceyatra Glass, Brand Name &amp; Make Model</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
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<td>22</td>
<td>WTS-02</td>
<td>ELECTRICAL WORK</td>
<td>L/S</td>
<td></td>
<td></td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
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<td>Description</td>
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<tr>
<td>22.2</td>
<td></td>
<td>Led Light with other 4Ld Light</td>
<td>4</td>
<td>Country Origin, Brand Name &amp; Model</td>
<td>X/Q</td>
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<td>X/Q</td>
<td>X/Q</td>
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<td>X/Q</td>
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<td>22.3</td>
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<td>SmC Screw (300 ccm)</td>
<td>6</td>
<td>Country Origin, Brand Name &amp; Model</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
<td>X/Q</td>
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<td>X/Q</td>
<td>Not Quoted</td>
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<td>22.4</td>
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<td>Screw Thread Reader (12 Thread)</td>
<td>2</td>
<td>Country Origin, Brand Name &amp; Model</td>
<td>X/Q</td>
<td>X/Q</td>
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<td>Not Quoted</td>
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<tr>
<td>22.5</td>
<td></td>
<td>Battery Dc 12V, 75AH, 550A.5, 1005A</td>
<td>38</td>
<td>Country Origin, Brand Name &amp; Model</td>
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<td>X/Q</td>
<td>X/Q</td>
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<td>X/Q</td>
<td>X/Q</td>
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**TECHNICAL EVALUATION COMMITTEE**

- Dr. Mohammad Salek Khan
- Prof. Dr. Sohail Ansari
- Prof. Dr. Shamsuddin Shaikh
- Prof. Dr. Anis Ahmed Chaudhry

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- Mr. Abdul Rashid Lakho
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