

الاتحاد للماء والكهرباء  
Etihad Water & Electricity



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**PROCEDURES & GUIDELINES FOR  
MATERIAL / EQUIPMENT PRE-QUALIFICATION  
Related To EtihadWE Electricity Network  
(Transmission & Distribution)**

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## **I. INTRODUCTION**

Federal Electricity & Water Authority (EtihadWE) is committed to provide adequate, safe, reliable and efficient electric service as per international best practice and standards. As such, EtihadWE is continuously monitoring, assessing and evaluating all materials / equipment to be used in delivering its services to its consumers.

Pre-qualification approval for all materials / equipment issued by EtihadWE is mandatory for all the suppliers / manufacturers. Only those suppliers / manufacturers who meet EtihadWE requirements and having sufficient capability & experience will be considered pre-qualified and be included in EtihadWE's "Approved List of Materials / Equipment" and may be considered for supply and/or use in EtihadWE Electricity Transmission & Distribution Network in the Northern Emirate.

This document is intended to provide the general procedures and guidelines for all suppliers / manufacturers who would like to get pre-qualified with EtihadWE for their materials / equipment. Suppliers / Manufacturers interested in getting pre-qualified for inclusion in the "Approved List of Materials / Equipment" are requested to read carefully this procedures & guidelines and submit their "Materials / Equipment Pre-qualification Documents" in the format suggested in this document. All suppliers / manufacturers are advised to comply with this procedures and guidelines and no deviation shall be accepted by EtihadWE.

## II. MATERIAL / EQUIPMENT MANUFACTURER REQUIREMENTS

*(Kindly refer to Annexure A & B for the list of Materials / Equipment covered)*

Materials / equipment proposed for pre-qualification and inclusion in ETIHADWE's "Approved List of Materials / Equipment" shall matched the latest International Standard & EtihadWE requirement and subject to but not limited to the following:

A. Materials / equipments to be supplied to EtihadWE shall meet all the following requirements:

1. Shall be manufactured by quality manufacturers in UAE, GCC Countries, Europe, North America, Japan and South Korea only.
2. Shall have minimum three (3) years satisfactory experience record in Power Utilities / Authorities in UAE or GCC Countries (performance certificate from Power Utilities / Authorities to be submitted).
  - Materials / equipment manufactured in UAE having less than three (3) years satisfactory experience record in Power Utilities / Authorities in UAE or GCC Countries may also be considered provided that the manufacturer shall unconditionally extend the guarantee for six (6) years from date of energization or ten (10) years from date of supply (received by EtihadWE) whichever comes less in actual.
3. Shall have valid Type Test Reports / Certificates not older than six (6) years from EtihadWE Approved Third Party Independent Test Laboratories (valid type test report to be submitted).
  - A type test older than six (6) years maybe accepted, subject to the criteria that the proposed manufacturer should submit proof stating that there is no change in design & components and shall comply with the latest relevant IEC standards.

B. However, materials / equipment manufactured from other countries not mentioned above may also be considered subject to the following mandatory requirements:

1. Shall have minimum five (5) years experience of proven successful operation in Power Utilities / Authorities in UAE or GCC Countries only (performance certificate from Power Utilities / Authorities to be submitted).
2. Shall have valid Type Test Reports / Certificates not older than six (6) years from EtihadWE Approved Third Party Independent Test Laboratories only (valid type test report to be submitted). Moreover, the actual testing of the proposed material / equipment should have been performed at the corresponding EtihadWE Approved Third Party Independent Test Laboratory only.
  - In reference to the above, a type test report older than six (6) years maybe accepted, subject to the criteria that the proposed manufacturer should submit proof stating that there is no change in design & components and shall comply with the latest relevant IEC standards.
3. Shall unconditionally extend the guarantee for six (6) years from date of energization or ten (10) years from date of supply (received by EtihadWE) whichever comes less in actual.

### III. REQUIREMENT FOR TYPE TEST

A type test report shall be submitted for every proposed manufacturer / brand, material / equipment & type / model and subject to but not limited to the following:

- A. Type test shall be conducted only by EtihadWE Approved Third Party Independent Test Laboratories (which are having valid IEC 17025 Accreditation Certificate) and at their corresponding testing laboratory. Valid accreditation certificate to be submitted.

Type test list and procedures shall be according to the latest International Standard and EtihadWE requirement.

Kindly refer to Annexure “C” for “EtihadWE Approved Third Party Independent Test Laboratories”.

- B. If the Manufacturer (*applicable for manufacturers in UAE, GCC Countries, Europe, North America, Japan and South Korea only*) has its own test laboratory facility to carry out type test or proposes a test laboratory other than “EtihadWE Approved Third Party Independent Test Laboratories”, then the following shall be mandatory requirements:

- 1.) Shall have a valid IEC 17025 Accreditation Certificate for the proposed Test Laboratory (valid accreditation certificate to be submitted).
- 2.) Type test list and procedures shall be according to the latest International Standard and EtihadWE requirement. In addition, the list and procedures shall be reviewed & approved by EtihadWE and corresponding “EtihadWE Third Party Independent Test Laboratory” as discussed in Item “A” above.
- 3.) Type testing as per the approved list and procedure shall be conducted in the presence of the approving “EtihadWE Third Party Independent Test Laboratory” representative/s and shall be attended by EtihadWE Engineers at their discretion. All cost towards the transportation, accommodation and travel documentation (e.g. visa, etc.) shall be borne fully by the supplier / manufacturer.

4.) The approving “EtihadWE Third Party Independent Test Laboratory” shall review and approve the Type Test Reports and produce certificates for the offered material / equipment.

C. For minor materials / equipment only (refer to Annexure “B”), EtihadWE does not have any preferred third party independent test laboratories. However, type testing list, procedures & test laboratories are subject to EtihadWE requirement & approval and shall be according to the latest international practice & standards.

## IV. PROCEDURE FOR APPLICATION OF MATERIAL / EQUIPMENT PRE-QUALIFICATION

1. Suppliers / Manufacturers proposing pre-qualification of material / equipment must have their Company registered with EtihadWE as a pre-requisite.
2. Supplier / Manufacturer to download the application form from EtihadWE web site (<http://www.EtihadWE.gov.ae/>). Annexure D is attached for your reference.
3. Fill the application form with complete information of the company duly signed & stamped and submit with all necessary pre-qualification supporting documents required to:

### DIRECTOR OF PURCHASES, CONTRACTS & STORES DEPARTMENT

*FEDERAL ELECTRICITY & WATER AUTHORITY*  
P.O. BOX 1672, DUBAI, UNITED ARAB EMIRATES

4. This pre-qualification documents shall accompany an Assessment Fee of AED 1000 (per proposed manufacturer / brand, material / equipment and type / model) towards a non-refundable fee for the assessment of the proposed material / equipment for inclusion in ETIHADWE's "Approved List of Material / Equipment". **AED 1000 will be paid via online after submission of the documents to the PCS Dept.**
- 5.
6. ETIHADWE's "Purchases, Contracts & Stores Department (PCSD)" will collect all the applications submitted by various suppliers / manufacturers for pre-qualification process and carry out initial scrutiny of the applications against EtihadWE compliances and rules & regulations. Thereafter, PCSD will distribute the Pre-qualification Document internally within EtihadWE for review and comments.
7. Only "Purchases, Contracts & Stores Department" will be the point-of-contact between EtihadWE and the supplier / manufacturer. The supplier / manufacturer are advised not to deal / communicate directly with any EtihadWE employee/s involved in the pre-qualification assessment of the material / equipment, unless otherwise called officially by EtihadWE. If the supplier / manufacturer offers, or tries implicitly or explicitly, to influence EtihadWE or any of its employees in favour of the supplier /

manufacturer in any form such as donations, gifts, rewards, etc., EtihadWE has the right to immediately reject its application and/or ban the supplier / manufacturer indefinitely.

8. Whenever required and deemed necessary, EtihadWE through Purchases, Contracts & Stores Department may ask the Supplier / Manufacturer as part of the pre-qualification assessment to:
  - a meeting for material / equipment presentation, clarification and other discussions
  - submit the sample of the proposed material / equipment
  - visit their office / warehouse / factory
  - witness material / equipment testing

The supplier / manufacturer must comply and bear the responsibility to such expenses that may occur without any cost implication to EtihadWE.

9. The Pre-qualification Documents shall be assessed but not limited to the following criteria:
  - a. Compliance of material / equipment to the latest International Standards and EtihadWE requirements.
  - b. Performance of material / equipment in EtihadWE Network (if already existing) and from other Power Utilities / Authorities.
  - c. Result of Type Test and other test available.
  - d. After Sales Support / Services available for the proposed material / equipment.
10. The EtihadWE pre-qualification of material / equipment application shall have the following categories:
  - a. Materials / equipment "Approved"
  - b. Materials / equipment "Approved for Trial Orders with Limited quantity"
  - c. Material / equipment "Under Hold"
  - d. Materials / equipment "Rejected"
11. In case of material / equipment is found meeting all the requirements and to the satisfaction of EtihadWE then the material will be included in the "Approved List of Material / Equipment".

12. In case the outcome of the assessment is found unsuccessful then comments will be forwarded to the Supplier / Manufacturer by “Purchases, Contracts & Stores Department”.

In addition, EtihadWE at its own discretion may reject a pre-qualification document application without assigning any reasons and/or justifications.

- 13. A pre-qualified material / equipment shall have a validity of THREE (3) years and must be renewed by the supplier by paying the renewal fees of AED 500 per manufacturer / brand, material / equipment and type / model. Documents shall be submitted as per the below checklist (Section V).**

14. As part of the ongoing performance assessment, EtihadWE will consider the feedback from various EtihadWE Departments, other Utilities / Authorities, market, and other possible sources regarding the performance of the subject material / equipment and if the performance is found dissatisfactory then the approval of the material / equipment shall be revoked any time by EtihadWE and the same along with comments will be communicated to the Supplier / Manufacturer.

15. Any changes on address or contact details of the supplier / manufacturer should be relayed immediately to EtihadWE.

## V. CHECKLIST FOR PRE-QUALIFICATION DOCUMENTS

For every proposed manufacturer / brand, material / equipment and type / model, a pre-qualification document shall be submitted in one (1) hard copy (with index tabs/dividers to separate each submittals/documents) and two (2) soft copy (clear scan copy in CD). **to PCS Dept.** Moreover, ensure that all pages of this document are signed and stamped accordingly.

The following shall serve as checklist for the materials / equipment pre-qualification document:

1. Cover Letter addressed to the Director of "Purchases, Contracts & Stores Department.
2. Application Form for Material / Equipment Pre-Qualification (Annexure D).
3. Valid EtihadWE Registration Card / Certificate (copy).
4. Manufacturer's Company Profile, Accreditation and Certifications.
5. Manufacturer's Certification for city and country of origin of Material / Equipment.
6. Material / Equipment brochure, operation & maintenance manual and detailed technical specifications.
7. List of available after sales support / services for the material /equipment.
8. Type test reports / certificates (including valid accreditation certificate) and other test reports available.
9. Performance certificate from Utilities / Authorities (Annexure E).
10. List of other clients utilizing the material /equipment (Annexure F).
11. Other pertinent data and information deemed necessary for the assessment of the material / equipment pre-qualification.
12. Guarantee Extension Certificate, if applicable (Annexure G).
13. Assessment Fee (AED 1000 per proposed manufacturer / brand, material / equipment and type / model). **AED 1000 will be paid via online after submission of the documents to the PCS Dept.**

## **ANNEXURE - A**

### **LIST OF “MAJOR” MATERIAL / EQUIPMENT FOR PRE-QUALIFICATION**

## ANNEXURE – A

### LIST OF “MAJOR” MATERIAL / EQUIPMENT FOR PRE-QUALIFICATION

**SUBSTATION:**

Sr.	Material / Equipment	SAP Item Number
<b>132kV System - Substation</b>		
1	132 KV Gas Insulated Switchgear - GIS - Double bus bar system rated 2500A	
2	132 KV GIS - Local Control Cubicle (LCC)	
3	132 KV Control Panels	
4	132 KV Relay Panels	
5	132 KV Busbar Protection Panels	
6	Fault Recorder Panel	
7	SF6 Gas handling plant for 132kV	
8	132 KV Power Transformers - 60/90MVA - 50/63MVA - 35/50MVA	
<b>33kV System - Substation</b>		
1	33kV Neutral Earthing Switchgear (NES)	
2	33kV Neutral Earthing Resistor (NER)	
3	33 KV Gas Insulated Switchgear - GIS - Single bus bar system rated 2500A - Double bus bar system rated 2500A	
4	33 KV Combined Control & Relay Panels	
5	33 KV Busbar Protection Panels	
6	33 KV Plug in type terminations	
7	SF6 Gas handling plant for 33kV	
8	33 KV Power Transformers - 20MVA - 20/25MVA	
9	33 KV Reactors	
10	33 KV Capacitor Banks - 20.0MVA <sub>r</sub>	

Sr.	Material / Equipment	SAP Item Number
<b>11kV System - Substation</b>		
1	11kV Neutral Earthing Resistor (NER)	
2	11 KV Air Insulated Switchgear - AIS - Single bus bar system rated 2500A - Single bus bar system rated 3150A	
3	11 KV Busbar Protection Panels	
4	11 KV Capacitor Banks - 5.5MVar, 1-Stage - 6.0MVar, 3-Stage	
5	Capacitor Control Panel	
6	11/0.4kV Auxiliary Transformers - 500kVA - 630kVA	
<b>LVAC &amp; DC System - Substation</b>		
1	Low Voltage Alternating Current (LVAC) System - LVAC Distribution Board (DB) - LVAC Essential Distribution Board (EDB)	
2	Direct Current (DC) System - 110V Batteries - Battery Charger - Direct Current Distribution Board (DCDB) - Inverter	
<b>Protection Equipment - Substation</b>		
1	Protection Relays	
2	Relay and Control panels	
3	Current Transformers - Protection class	
4	Current Transformers - Metering class	
5	Voltage Transformers - Protection class	
6	Voltage Transformers - Metering class	
7	Fault Monitoring panels	
8	Bay Controller Unit (BCU)	
9	Bay Controller and Protection Unit (BCPU)	
10	Auxiliary relays	
11	CT Shorting links	

Sr.	Material / Equipment	SAP Item Number
12	Terminal Blocks	
13	Indicating lamps & switches	
14	Earthing & Lightning Protection System - Surge Arresters - Lightning Arresters - Earthing Cables	
<b>Telecom &amp; SCADA Equipment - Substation</b>		
1	Pilot Cables & Related Equipments	
2	Fiber Optic Cables (FOC)	
3	Optical Ground Wire (OPGW)	
4	Communication accessories - Fiber Distribution Panel (FDP)	
5	Communication accessories – FOC/OPGW joints enclosures	
6	Telecom Equipment - Plesiochronous Digital Hierarchy (PDH)	
7	Telecom Equipment - Synchronous Digital Hierarchy (SDH)	
8	PABX – Telephone Exchange & Telephones	
9	PLC – Power Line Communication System	
10	FEP – Front End Processing Equipment	
11	Networking Devices (Ex. Modems, Router, Switches, etc.)	
12	Wireless Communication System & Devices	
13	Remote Terminal Unit (RTU) and accessories	
14	Cross Connection Cubicle (CCC) and accessories	
15	Direct Current (DC) System for SCADA equipments - 48V <sub>DC</sub> Batteries - 48V <sub>DC</sub> Battery Charger - 48V <sub>DC</sub> Direct Current Distribution Board (DCDB)	
16	Transducers	
17	Temperature and Humidity Acquisition Devices	
<b>Mechanical Equipment - Substation</b>		
1	Fire Protection & Detection System	

Sr.	Material / Equipment	SAP Item Number
	<ul style="list-style-type: none"> <li>- Fire Hydrant System</li> <li>- Fixed Water Spray System</li> <li>- Clean Agent System</li> <li>- Automatic Fire Detection and Alarm System</li> <li>- Portable Fire Extinguishers</li> <li>- Fire Stopping Material</li> </ul>	
2	Heating, Ventilation & Air Conditioning (HVAC) Units	
3	Crane & Hoist System <ul style="list-style-type: none"> <li>- Electrical Overhead Travelling (EOT) Crane</li> <li>- Electric Monorail Hoists</li> </ul>	
4	Service Water System	
<b>Other Common Equipment - Substation</b>		
1	Remote Tap Changer Control (RTCC) Panels	
2	Transformer Oil	
3	Cable trays and Ladders	
4	LV Power and Control Cables	
5	Electronic Energy Meters	
6	Filter Reactors <ul style="list-style-type: none"> <li>- Gapped-Iron Core, Indoor type</li> </ul>	

**UNDERGROUND CABLES (UGC) AND OVERHEAD LINES (OHL):**

Sr.	Material / Equipment	SAP Item Number
<b>Cables, Conductors and Accessories</b>		
1	132 KV Cable, Single Core <ul style="list-style-type: none"> <li>- 1200mm<sup>2</sup></li> <li>- 630mm<sup>2</sup></li> </ul>	
2	33 KV Cable, Single Core <ul style="list-style-type: none"> <li>- 500mm<sup>2</sup></li> </ul>	
3	132 KV Cable Terminations	
4	132 KV Cable Joints	
5	132 KV Outdoor Sealing Ends	
6	Earth Link Disconnecting Box	
7	33 KV Cable Terminations	
8	33 KV Cable Joints	

Sr.	Material / Equipment	SAP Item Number
9	Cable Cover Tiles & Warning tapes	
10	Bonding Cables	
11	Towers	
12	OHL Insulators	
13	OHL Insulator fittings	
14	132KV OHL conductor - 400mm <sup>2</sup>	
15	33KV OHL conductor - 400mm <sup>2</sup>	
16	OHL conductor fittings	
17	Aircraft Warning Spheres / Aircraft Warning lighting	

**11kV & Low Voltage (LV):**

Sr.	Material / Equipment	SAP Item Number
<b>Distribution Transformers (11/0.433kV)</b>		
1	50KVA Dist. Transformer	
2	100KVA Dist. Transformer	
3	200KVA Dist. Transformer	
4	250KVA Dist. Transformer	
5	500KVA Dist. Transformer	
6	1000KVA Dist. Transformer	
7	1500KVA Dist. Transformer	
8	2000KVA Dist. Transformer	
9	2500KVA Dist. Transformer	
10	GRP Enclosures for Substation	
<b>11kV Cables</b>		
1	3x95mm <sup>2</sup> Al XLPE Cable 11KV	
2	3x185mm <sup>2</sup> Al XLPE Cable 11KV	
3	3x300mm <sup>2</sup> Al XLPE Cable 11KV	
4	3x300mm <sup>2</sup> Cu XLPE Cable 11KV	
5	3x400mm <sup>2</sup> Cu XLPE Cable 11KV	
<b>11kV Ring Main Unit (RMU)</b>		
1	Fused Ring Main Unit Non Extensible (FRMU)	
2	Fused Ring Main Unit Extensible (FRMUE)	

Sr.	Material / Equipment	SAP Item Number
3	Extensible Fuse Switch (EFS)	
4	Extensible Oil Switch (EOS)	
5	Double Extensible Oil Switch (DEOS)	
6	SF6 RMU	
7	SF6 RMU - Vacuum Circuit Breaker (VCB)	
8	Bus Bar Coupling Clamp	
<b>Overhead Line Materials</b>		
1	100mm <sup>2</sup> All Alloy Al. Conductor	
2	150mm <sup>2</sup> All Alloy Al. Conductor	
3	150mm <sup>2</sup> Bare Al. STD Steel Conductor	
4	300mm <sup>2</sup> All Alloy Al. Conductor	
5	11kV Intermediate Cross Arm	
6	11kV Section Cross Arm	
7	11kV Line Support Assembly	
8	11kV Disc Insulator W/Fitting	
9	11kV Pin Insulator W/Pin	
10	11kV Earth Rod Assembly	
11	11kV Dropout Fuse Unit	
12	11kV Lightning Arrestor	
13	11kV Wooden Pole 10.5M	
14	L.V Wooden Pole 9M	
15	70mm copper Earthing Cable	
<b>Low Voltage (LV) Cables</b>		
1	2x25mm <sup>2</sup> Al XLPE Cable L.V	
2	4x25mm <sup>2</sup> Al XLPE Cable L.V	
3	4x35mm <sup>2</sup> Al XLPE Cable L.V	
4	4x50mm <sup>2</sup> Al XLPE Cable L.V	
5	4x70mm <sup>2</sup> Al XLPE Cable L.V	
6	4x95mm <sup>2</sup> Al XLPE Cable L.V	
7	4x185mm <sup>2</sup> Al XLPE Cable L.V	
8	4x300mm <sup>2</sup> Al XLPE Cable L.V	
9	1x630mm <sup>2</sup> Cu XLPE Cable L.V	
<b>Service &amp; Feeder Pillar (LV)</b>		
1	400A Service Pillar	

Sr.	Material / Equipment	SAP Item Number
2	Type "A" Feeder Pillar 2000A	
3	Type "B" Feeder Pillar 1000A	
4	Type "C" Feeder Pillar 500A	
<b>Joints &amp; Cable Terminations (11kV &amp; LV)</b>		
1	HS/J/X/4/25 LV	
2	HS/J/X/4/35 LV	
3	HS/J/X/4/50 LV	
4	HS/J/X/4/70 LV	
5	HS/J/X/4/95 LV	
6	HS/J/X/4/185 LV	
7	HS/J/X/4/300 LV	
8	HS/J/X/11/3/95	
9	HS/J/X/11/3/185	
10	HS/J/X/11/3/300	
11	HS/IT/R/X /11/3/185	
12	HS/IT/R/X /11/3/300	
13	HS/IT/S/X /11/3/95	
14	HS/IT/S/X /11/3/185	
15	HS/IT/S/X /11/3/300	
16	HS/IT/S/X /33/1/500 (Single Core Plug in Type)	
17	HS/OT/X /11/3/95	
18	HS/OT/X /11/3/185	
19	HS/OT/X /11/3/300	
20	HS/OT/P /11/3/95	
21	HS/OT/P /11/3/185	
22	HS/OT/P /11/3/300	
<b>Fuses - High Rupturing Capacity (HRC) / RMU</b>		
1	100A NH00 HRC Fuse	
2	100A NH2 HRC Fuse	
3	160A NH2 HRC Fuse	
4	200A NH2 HRC Fuse	
5	300A NH2 HRC Fuse	
6	400A NH2 HRC Fuse	
7	200A W3KF HRC Fuse	

Sr.	Material / Equipment	SAP Item Number
8	300A W3K HRC Fuse	
9	400A W3K HRC Fuse	
10	400A BIJS HRC Fuse (Open)	
11	100A NH00 Fuse Base	
12	400A NH2 Fuse Base	
13	25A RMU Fuse	
14	50A RMU Fuse	
15	90A RMU Fuse	
16	125A RMU Fuse	
17	Tow Way pole mounted fuse box	
<b>KWH Meter / Cabinet / Miniature Circuit Breaker (MCB) / Moulded Case Circuit Breaker (MCCB)</b>		
1	Single Phase kWh Meter 20/80A	
2	Single Phase kWh Electronic Meter 20/80A	
3	3 Phase kWh Meter 25/100A	
4	3 Phase kWh Electronic Meter 25/100A	
5	200/5A C.T Metering Cabinet	
6	400/5A C.T Metering Cabinet	
7	3 Phase Busbar Metering Unit 200-100/5A	
8	3 Phase Busbar Metering Unit 300-150/5A	
9	P/M Fuse Box L.V 200A/2Way	
10	70A. 1 Pole MCB (Quick Log)	
11	100A Multi -9- 1Pole MCB	
12	1 Phase MCCB 60A	
13	3 Phase MCCB 60A	
14	3 Phase MCCB 100A	

## **ANNEXURE - B**

### **LIST OF “MINOR” MATERIAL / EQUIPMENT FOR PRE-QUALIFICATION**

## ANNEXURE – B

### LIST OF “MINOR” MATERIAL / EQUIPMENT FOR PRE-QUALIFICATION

**11kV & Low Voltage (LV):**

Sr.	Material / Equipment	SAP Item Number
<b>Cable Lugs</b>		
1	25mm <sup>2</sup> Copper Lug	
2	35mm <sup>2</sup> Copper Lug	
3	50mm <sup>2</sup> Copper Lug	
4	70mm <sup>2</sup> Copper Lug	
5	95mm <sup>2</sup> Copper Lug	
6	150mm <sup>2</sup> Copper Lug	
7	185mm <sup>2</sup> Copper Lug	
8	240mm <sup>2</sup> Copper Lug	
9	300mm <sup>2</sup> Copper Lug	
10	500mm <sup>2</sup> Copper Lug	
11	630mm <sup>2</sup> Copper Lug	
12	25mm <sup>2</sup> Bi-metallic Lug	
13	35mm <sup>2</sup> Bi-metallic Lug	
14	50mm <sup>2</sup> Bi-metallic Lug	
15	70mm <sup>2</sup> Bi-metallic Lug	
16	95mm <sup>2</sup> Bi-metallic Lug	
17	150mm <sup>2</sup> Bi-metallic Lug	
18	185mm <sup>2</sup> Bi-metallic Lug	
19	300mm <sup>2</sup> Bi-metallic Lug	

## **ANNEXURE - C**

### **EtihadWE APPROVED THIRD PARTY INDEPENDENT TEST LABORATORIES**

## ANNEXURE – C

### EtihadWE APPROVED THIRD PARTY INDEPENDENT TEST LABORATORIES

<b>Substation Equipment &amp; Accessories</b>	<b>Conductors, Cables &amp; Accessories</b>
1. KEMA	1. KEMA
2. EDF	2. Lloyd
3. CESI	3. Bureau Veritas
4. VDE	4. SGS
5. ASTA	5. CESI
6. IPH	6. EGU
	7. Kinectrics

## **ANNEXURE - D**

### **MATERIAL / EQUIPMENT PRE-QUALIFICATION APPLICATION FORM**



## MATERIAL / EQUIPMENT PRE-QUALIFICATION APPLICATION FORM

(Electricity Network: Transmission & Distribution)

[ For the use of "EtihadWE Purchases, Contracts & Stores Department" only ]

<b>Application Date (DD/MM/YYYY):</b>	<b>Type of Application:</b> New [ <input type="checkbox"/> ]    Renewal [ <input type="checkbox"/> ]    Others [ <input type="checkbox"/> ]
<b>Application Number:</b>	[ for others, state purpose ]

[ PLEASE FILL THE FORM ELECTRONICALLY, AND NOT BY HAND ]

### EtihadWE Registration Details of Manufacturer's Local Agent / Representative / Supplier:

Registration No	Expiry Date (DD/MM/YYYY)
-----------------	--------------------------

### Manufacturer's Local Agent / Representative / Supplier Details:

Company Name			
Complete Address			
P.O. Box		Emirate	
Business Office Number(s)			
Contact Person & Position			
Contact Person Mobile No.			
Business E-mail Address			
Business Website Address			

### Material / Equipment Applied for Pre-qualification:

Manufacturer / Brand Name	
Manufacturing City	
Manufacturing Country	
Material / Equipment	
Type / Model	
Brief Description	

I, the undersigned, certify that I have read and understood fully the "Procedures & Guidelines for Material / Equipment Pre-Qualification" and all fees paid in accordance with this application is considered non-refundable regardless of the result of the Pre-qualification Assessment. In addition, I am aware that EtihadWE is not bound to pre-qualify and may reject this pre-qualification document without assigning any reasons and/or justifications which is the sole discretion of EtihadWE. Moreover, I understand that any wilful misstatement written herein or any part of the Pre-qualification Document may lead to the Rejection of our application.

[ Authorized Signature & Stamp of Supplier / Manufacturer ]

[ PRINTED NAME & POSITION ]

## **ANNEXURE - E**

### **PERFORMANCE CERTIFICATE (SAMPLE)**

[ Power Utility / Authority Letterhead ]

[ Date ]

[ Supplier / Manufacturer Name ]

[ Supplier / Manufacturer Address ]

Subject: Performance Certificate of [Manufacturer/Brand - Material/Equipment - Type/Model]

To Whom It May Concern,

[ Power Utility / Authority Name ] certifies that the [ Manufacturer / Brand - Material / Equipment - Type / Model ] is installed / utilized and satisfactorily in operation in our electricity network since [ Energization / Utilization Date ]. This Certificate is issued upon the request of [ Supplier / Manufacturer Name ] without any responsibility to be undertaken by this Utility / Authority towards others.

Yours faithfully,

[ Authorized Signature & Stamp of Power Utility / Authority ]

---

[ Printed Name & Position ]

## **ANNEXURE - F**

### **SUPPLIER / MANUFACTURER CLIENT REFERENCE LIST**

[ Supplier / Manufacturer Company Name & Logo ]

**SUPPLIER / MANUFACTURER CLIENT REFERENCE LIST**

*(To be filled by the Supplier / Manufacturer)*

**Material / Equipment Supplied:**

[ indicate Material / Equipment and its Type / Model ]

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S. No.	Client	Country	Type of Industry	General Quantity of Order (indicate unit)	Order Year	Delivery Year	Performance Certificate Attached (Yes / No)

## **ANNEXURE - G**

### **GUARANTEE EXTENSION CERTIFICATE (SAMPLE)**

[ Supplier / Manufacturer Letterhead ]

[ Date ]

Federal Electricity & Water Authority  
P.O. Box 1672 Dubai  
United Arab Emirates

Subject: Guarantee Extension for [ Manufacturer/Brand - Material/Equipment - Type/Model ]

Dear Sir,

We refer to the “Material / Equipment Pre-qualification” procedures & guidelines related to EtihadWE Electricity Transmission & Distribution Network, under Article II: “Material / Equipment Manufacturer Requirements”.

[ Supplier / Manufacturer Company Name ] hereby confirms unconditional extension of the guarantee for six (6) years from date of energization or ten (10) years from date of supply (received by EtihadWE) whichever comes less in actual for the [ indicate Material / Equipment and its Type / Model ] in the event that this material / equipment be pre-qualified by EtihadWE, included in the “Approved List of Materials / Equipment” and a purchase order or supply agreement is made to EtihadWE or its Legal Representative/s.

This is in consideration that the above mentioned material / equipment is being manufactured [ in UAE having less than three (3) years satisfactory experience record in Power Utilities / Authorities in UAE or GCC Countries. ] or [ from other countries not mentioned in Article II: “Material / Equipment Manufacturer Requirements. ]

We hope that this meets with your requirement for pre-qualification assessment of the above mentioned material / equipment.

Yours faithfully,

[ Authorized Signature & Stamp of Supplier / Manufacturer ]

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[ Printed Name & Position ]