



الهيئة الاتحادية للكهرباء و الماء
Federal Electricity & Water Authority



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

**Version 1.0
January 2015**

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I. INTRODUCTION

Federal Electricity & Water Authority (FEWA) is committed to provide adequate, safe, reliable and efficient electric service as per international best practice and standards. As such, FEWA 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 FEWA is mandatory for all the suppliers / manufacturers. Only those suppliers / manufacturers who meet FEWA requirements and having sufficient capability & experience will be considered pre-qualified and be included in FEWA's "Approved List of Materials / Equipment" and may be considered for supply and/or use in FEWA 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 FEWA 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 FEWA.

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 FEWA's "Approved List of Materials / Equipment" shall be matched to the latest International Standard & FEWA requirement and subject to but not limited to the following:

A. Materials / equipments to be supplied to FEWA 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 FEWA) whichever comes less in actual.
3. Shall have valid Type Test Reports / Certificates not older than six (6) years from FEWA Approved Third Party Independent Test Laboratories (valid type test report to be submitted).
 - A type test older than six (6) years may be 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 FEWA 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 FEWA 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 FEWA) 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 FEWA 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 FEWA requirement.

Kindly refer to Annexure “C” for “FEWA 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 “FEWA 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 FEWA requirement. In addition, the list and procedures shall be reviewed & approved by FEWA and corresponding “FEWA 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 “FEWA Third Party Independent Test Laboratory” representative/s and shall be attended by FEWA 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 “FEWA 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”), FEWA does not have any preferred third party independent test laboratories. However, type testing list, procedures & test laboratories are subject to FEWA 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 FEWA as a pre-requisite.
2. Supplier / Manufacturer to download the application form from FEWA web site (<http://www.fewa.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 FEWA's "Approved List of Material / Equipment".
5. FEWA'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 FEWA compliances and rules & regulations. Thereafter, PCSD will distribute the Pre-qualification Document internally within FEWA for review and comments.
6. Only "Purchases, Contracts & Stores Department" will be the point-of-contact between FEWA and the supplier / manufacturer. The supplier / manufacturer are advised not to deal / communicate directly with any FEWA employee/s involved in the pre-qualification assessment of the material / equipment, unless otherwise called officially by FEWA. If the supplier / manufacturer offers, or tries implicitly or explicitly, to influence FEWA or any of its employees in favour of the supplier / manufacturer in any form such as donations, gifts, rewards, etc., FEWA has the right to immediately reject its application and/or ban the supplier / manufacturer indefinitely.

7. Whenever required and deemed necessary, FEWA 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 FEWA.

8. 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 FEWA requirements.
- b. Performance of material / equipment in FEWA 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.

9. The FEWA 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"

10. In case of material / equipment is found meeting all the requirements and to the satisfaction of FEWA then the material will be included in the "Approved List of Material / Equipment".

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

12. 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.

13. As part of the ongoing performance assessment, FEWA will consider the feedback from various FEWA 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 FEWA and the same along with comments will be communicated to the Supplier / Manufacturer.

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

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 one (1) soft copy (clear scan copy in CD). 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. The documents should be submitted in a file divided by numbered separators/slides*, and the particular slide no. should be mentioned.
 1. Cover Letter addressed to the Director of “Purchases, Contracts & Stores Department”.
 2. Application Form for Material / Equipment Pre-Qualification (Annexure D).
 3. Valid FEWA 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).

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 |
|----------------------------------|--|-----------------|
| 132kV System - Substation | | |
| 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 | |
| 33kV System - Substation | | |
| 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 _r | |

| Sr. | Material / Equipment | SAP Item Number |
|--|---|-----------------|
| 11kV System - Substation | | |
| 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 | |
| LVAC & DC System - Substation | | |
| 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 | |
| Protection Equipment - Substation | | |
| 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 | |
| Telecom & SCADA Equipment - Substation | | |
| 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 _{DC} Batteries - 48V _{DC} Battery Charger - 48V _{DC} Direct Current Distribution Board (DCDB) | |
| 16 | Transducers | |
| 17 | Temperature and Humidity Acquisition Devices | |
| Mechanical Equipment - Substation | | |
| 1 | Fire Protection & Detection System | |

| Sr. | Material / Equipment | SAP Item Number |
|--|---|-----------------|
| | <ul style="list-style-type: none"> - Fire Hydrant System - Fixed Water Spray System - Clean Agent System - Automatic Fire Detection and Alarm System - Portable Fire Extinguishers - Fire Stopping Material | |
| 2 | Heating, Ventilation & Air Conditioning (HVAC) Units | |
| 3 | Crane & Hoist System <ul style="list-style-type: none"> - Electrical Overhead Travelling (EOT) Crane - Electric Monorail Hoists | |
| 4 | Service Water System | |
| Other Common Equipment - Substation | | |
| 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"> - Gapped-Iron Core, Indoor type | |

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

| Sr. | Material / Equipment | SAP Item Number |
|---|---|-----------------|
| Cables, Conductors and Accessories | | |
| 1 | 132 KV Cable, Single Core <ul style="list-style-type: none"> - 1200mm² - 630mm² | |
| 2 | 33 KV Cable, Single Core <ul style="list-style-type: none"> - 500mm² | |
| 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 ² | |
| 15 | 33KV OHL conductor - 400mm ² | |
| 16 | OHL conductor fittings | |
| 17 | Aircraft Warning Spheres / Aircraft Warning lighting | |

11kV & Low Voltage (LV):

| Sr. | Material / Equipment | SAP Item Number |
|---|--|-----------------|
| Distribution Transformers (11/0.433kV) | | |
| 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 | |
| 11kV Cables | | |
| 1 | 3x95mm ² Al XLPE Cable 11KV | |
| 2 | 3x185mm ² Al XLPE Cable 11KV | |
| 3 | 3x300mm ² Al XLPE Cable 11KV | |
| 4 | 3x300mm ² Cu XLPE Cable 11KV | |
| 5 | 3x400mm ² Cu XLPE Cable 11KV | |
| 11kV Ring Main Unit (RMU) | | |
| 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 | |
| Overhead Line Materials | | |
| 1 | 100mm ² All Alloy Al. Conductor | |
| 2 | 150mm ² All Alloy Al. Conductor | |
| 3 | 150mm ² Bare Al. STD Steel Conductor | |
| 4 | 300mm ² 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 | |
| Low Voltage (LV) Cables | | |
| 1 | 2x25mm ² Al XLPE Cable L.V | |
| 2 | 4x25mm ² Al XLPE Cable L.V | |
| 3 | 4x35mm ² Al XLPE Cable L.V | |
| 4 | 4x50mm ² Al XLPE Cable L.V | |
| 5 | 4x70mm ² Al XLPE Cable L.V | |
| 6 | 4x95mm ² Al XLPE Cable L.V | |
| 7 | 4x185mm ² Al XLPE Cable L.V | |
| 8 | 4x300mm ² Al XLPE Cable L.V | |
| 9 | 1x630mm ² Cu XLPE Cable L.V | |
| Service & Feeder Pillar (LV) | | |
| 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 | |
| Joints & Cable Terminations (11kV & LV) | | |
| 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 | |
| Fuses - High Rupturing Capacity (HRC) / RMU | | |
| 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 | |
| KWH Meter / Cabinet / Miniature Circuit Breaker (MCB) / Moulded Case Circuit Breaker (MCCB) | | |
| 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 |
|-------------------|------------------------------------|-----------------|
| Cable Lugs | | |
| 1 | 25mm ² Copper Lug | |
| 2 | 35mm ² Copper Lug | |
| 3 | 50mm ² Copper Lug | |
| 4 | 70mm ² Copper Lug | |
| 5 | 95mm ² Copper Lug | |
| 6 | 150mm ² Copper Lug | |
| 7 | 185mm ² Copper Lug | |
| 8 | 240mm ² Copper Lug | |
| 9 | 300mm ² Copper Lug | |
| 10 | 500mm ² Copper Lug | |
| 11 | 630mm ² Copper Lug | |
| 12 | 25mm ² Bi-metallic Lug | |
| 13 | 35mm ² Bi-metallic Lug | |
| 14 | 50mm ² Bi-metallic Lug | |
| 15 | 70mm ² Bi-metallic Lug | |
| 16 | 95mm ² Bi-metallic Lug | |
| 17 | 150mm ² Bi-metallic Lug | |
| 18 | 185mm ² Bi-metallic Lug | |
| 19 | 300mm ² Bi-metallic Lug | |

ANNEXURE - C

FEWA APPROVED THIRD PARTY INDEPENDENT TEST LABORATORIES

ANNEXURE – C

FEWA APPROVED THIRD PARTY INDEPENDENT TEST LABORATORIES

| Substation Equipment & Accessories | Conductors, Cables & Accessories |
|---|---|
| 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 "FEWA Purchases, Contracts & Stores Department" only]

| | |
|--------------------------------|--|
| Application Date (DD/MM/YYYY): | Type of Application: New [] Renewal [] Others [] |
| Application Number: | [for others, state purpose] |

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

FEWA 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) | | | |
| Business Fax Number(s) | | | |
| Business E-mail Address | | | |
| Business Website Address | | | |
| Contact Person & Position | | | |

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 FEWA 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 FEWA. 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]

| S. No. | Client | Country | Type of Industry | General Quantity of Order (indicate unit) | Order Year | Delivery Year | Performance Certificate Attached (Yes / No) |
|--------|--------|---------|------------------|---|------------|---------------|---|
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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 FEWA 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 FEWA) 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 FEWA, included in the “Approved List of Materials / Equipment” and a purchase order or supply agreement is made to FEWA 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]

[Printed Name & Position]