



# **INFORMATION SHEET FOR PROCUREMENT OF POWER DISTRIBUTION SPARES**

**Reference No.: FNK-I/IUL/2026/114**

**Issued on 04<sup>th</sup> August 2026**

Issued by:

Fenaka Corporation Limited

Male', Republic of Maldives

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## Section I: Instruction to Bidders

| A. General                |                                                                                                                                                                                                                                                                                                                          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Scope of Bid           | 1.1 Fenaka Corporation Limited requests quotations for power distribution Spare parts in accordance with Section III, Technical Specifications of this Bid Document, and all bidders are required to submit quotations in full conformity with these specifications/Packing List                                         |
|                           | 1.2 Fenaka Corporation Limited reserves the right to cancel this bid invitation, at any stage prior to award, if deemed to be in the best interest of the Company. In such an event, bidders will be formally notified in writing.                                                                                       |
| 2. Eligible Participants  | 2.1 Participation in this tender is strictly limited to genuine spares Manufacturers. No other parties will be considered. Local and foreign bidders must submit a certificate of manufacturer (for OEMS).                                                                                                               |
|                           | 2.2 Local bidders must be legally registered in the Maldives and shall provide a valid company registration certificate, GST registration certificate, and a current tax clearance certificate                                                                                                                           |
|                           | 2.3 Foreign bidders must be legally registered in their country of origin and shall provide official company registration documents issued by the relevant government authority. All company registration documents submitted by foreign bidders must be notarized by a licensed Public Notary in the country of origin. |
| B. Preparation of the Bid |                                                                                                                                                                                                                                                                                                                          |
| 3. Bid Prices             | 3.1 Bidders shall clearly state both the unit price of each item and the overall total price in their quotation.                                                                                                                                                                                                         |
|                           | 3.2 Bidders must submit quotations for all items listed in Section III, (Technical Specifications/Packing List for the details of required items): partial or incomplete bids will not be accepted.                                                                                                                      |
|                           | 3.3 All bids shall be quoted on a CIF Male' Port basis, inclusive of all applicable duties, taxes, and charges up to delivery at Male' Port.                                                                                                                                                                             |
| 4. Currency               | 4.1 Local bidders shall quote prices entirely in Maldivian Rufiyaa (MVR).                                                                                                                                                                                                                                                |

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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|                                        | 4.2 Foreign bidders shall quote their prices entirely in United States Dollars (USD). For evaluation purposes, all foreign currency quotations shall be converted into Maldivian Rufiyaa (MVR) at the official exchange rate published by the Maldives Monetary Authority (MMA) on the date of bid submission.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>5. Alternative Bids</b>             | 5.1 Each bidder shall submit only one (1) bid in response to this tender. Submission of multiple or alternative bids by the same bidder will not be accepted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>6. Validity of Bids</b>             | 6.1 Each bid shall remain valid for a minimum of sixty (60) days from the date of bid opening.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>7. Technical Compliance</b>         | <p>7.1 Technical evaluation will be conducted solely based on written documents submitted by the bidder, and incomplete or missing submissions will result in disqualification.</p> <p>The following documents must be submitted for technical evaluation:</p> <ul style="list-style-type: none"> <li>- Manufacturer's Technical data sheets of the spares</li> </ul> <p>7.2 Bidders shall provide all written technical information, documents, and certifications specified in Section III (Technical Specifications) to enable technical evaluation. Technical evaluation will be conducted solely based on written documents submitted by the bidder, and incomplete or missing submissions will result in disqualification.</p> <p>7.3 Technical compliance letters will be required to enable technical evaluation</p> <p>7.4 Any bid failing to demonstrate compliance with Section III (Technical Specifications) shall be rejected as non-responsive.</p> |
| <b>8. Documents Comprising the Bid</b> | <p>8.1 The bid shall include the proposed delivery period and payment terms</p> <p>8.2 Detailed technical specifications of the offered product in accordance with Section III (Technical Specifications).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

- 8.3 Company details, which shall include,
- Company profile and background information
  - Company registration certificate
  - Memorandum of Association / Articles of Association
  - GST registration certificate (for local bidders only)
  - Valid Tax Clearance Report (issued within the last six months)
  - Contact details (name, designation, mobile number and e-mail address)
  - Proof of authority of the signatory:
    - For local bidders: Board Resolution or Power of Attorney signed and stamped by the company.
    - For foreign bidders: Authorization document notarized by a licensed Public Notary in the country of origin
- 8.4
- Experience letters:
  - Bidders may submit certificates or reference letters from clients covering the past five (5) years, specifying project name, contract value, scope of work/supply, and completion status.
  - Bidders that have previously supplied goods/services to Fenaka Corporation Limited within the past five (5) years shall provide contract title, reference number, contract value, year of supply, and description of goods/services supplied
  - Only relevant experience in the supply/installation or servicing of distribution spares will be considered for evaluation scoring. Absence of such documents will not result in disqualification but may reduce the bidder's technical evaluation score.
- 8.5 One (1) USB drive or other electronic storage device containing a scanned, read-only copy (PDF) of the complete bid document shall be submitted by each bidder (**local and foreign bidders**). The electronic version must be identical to the signed and stamped hard copy. In the event of inconsistency, the hard copy shall prevail.

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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|                                             | 8.6 Any bid failing to comply with the above requirements or lacking any of the mandatory documents listed under Section 7 (Technical Compliance), shall be rejected as non-responsive and excluded from further evaluation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>9. Format of Bid</b>                     | 9.1 Every page of the bid document shall be signed by the authorized signatory of the company, stamped with the company seal, and sequentially numbered. All required sections and annexes must be clearly indicated and properly arranged. Bids failing to comply with this requirement may be rejected as non-responsive.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>C. Bid Submission</b>                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>10. Sealing and Marking Bid Document</b> | <p>10.1 Local bidders shall submit two (2) complete sets of the bid document: one (1) original and one (1) copy. Each set shall be enclosed separately in its own sealed envelope, clearly marked as “ORIGINAL” or “COPY.” The sealed envelopes shall then be placed in a single outer envelope, which shall be sealed and clearly marked with the tender reference number (FNK-I/IUL/2026/114) and the name of the bidder. In the event of any discrepancy, the signed and stamped “ORIGINAL” version shall prevail.</p> <p>10.2 Foreign bidders may submit their bids electronically via the official tender email address specified in Section I, Clause 11.4. The bid documents must be encrypted with a password, and the password must be submitted separately within the specified time window on the day of bid opening. The subject line of the submission email shall include the tender reference number (FNK-I/IUL/2026/114). Any bid or password received after the specified time shall not be accepted.</p> <p>10.3 Foreign bidders shall submit two (2) complete sets of the bid document: one (1) original and one (1) copy. Each set shall be enclosed separately in its own sealed envelope, clearly marked as “ORIGINAL” or “COPY.” The sealed envelopes shall then be placed in a single outer envelope, which shall be sealed and clearly marked with the tender reference number (FNK-</p> |

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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|                        | I/IUL/2026/114) and the name of the bidder. In the event of any discrepancy, the signed and stamped “ORIGINAL” version shall prevail.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>11. Bid Opening</b> | <p>11.1 All bids will be opened on <b><u>16th August 2026 (Sunday) at 1100hrs</u></b> (Maldivian Time) at: <b>Fenaka Corporation Limited, 7th Floor Meeting Room, Port Complex Building, Hilaalee Magu, Malé 20207.</b></p> <p>11.2 Only foreign bidders shall have the option of submitting their Bids electronically. Bids submitted electronically by a company registered in the Maldives will be rejected as non-responsive.</p> <p>11.3 <b>Physical Bid Submission - Local Bidders</b><br/> Submission Address:<br/> • Fenaka Corporation Limited,<br/> • 7th Floor Meeting Room, Port Complex Building,<br/> • Hilaalee Magu, Male’ 20207<br/> Submission Deadline: <b><u>16th August 2026 (Sunday) at 1100hrs</u></b> (Maldivian Time) - A - A representative for each local bidder shall attend the bid opening session. Failure to attend the bid opening session will render disqualification. The local bidder’s representatives who are present shall sign a register evidencing their attendance.</p> <p>11.4 <b>Electronic Bid Submission –Foreign Bidders</b><br/> Submission Email: <a href="mailto:tender.registration@fenaka.mv">tender.registration@fenaka.mv</a><br/> Subject Line: Tender Reference Number<br/> Bid Submission Deadline: <b>Encrypted bid documents must be emailed on the same day as the bid opening 30 minutes before 11:00hrs (Maldivian time). Password Submission Deadline: Passwords must be emailed between 11:00hrs to 11:15hrs.</b><br/> The electronic bids and the passwords received after <b>11:15hrs</b> will be rejected.<br/> - Foreign bidders are required to be present via online video call during the bid opening (<b>Camera is a must</b>).</p> |

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                | <ul style="list-style-type: none"> <li>- The link for the bid opening session will be provided to foreign bidders 15 minutes before the bid opening.</li> <li>- Foreign Bidders shall be online bid opening at <b><u>11:00hrs (Maldivian time)</u></b>.</li> <li>- Failure to attend the bid opening session virtually at the Mentioned time will result in the rejection of the bid.</li> <li>- Each Bid shall have different passwords.</li> <li>- Foreign bidders submitting electronically shall dispatch the original physical bid documents to Fenaka Corporation Limited Head Office within seven (7) calendar days from the date of opening.</li> <li>- Bidders shall provide verifiable tracking details (e.g., courier or postal service tracking number) by email at the time of dispatch, as proof of timely submission of the original documents.</li> </ul> |
| <b>12. Bid Rejection</b>       | <p>12.1 Bids received after the submission deadline shall not be accepted or opened.</p> <p>12.2 Bidders that fail to complete the mandatory registration process for this tender shall not be eligible to participate.</p> <p>12.3 Bids lacking any of the mandatory documents listed under Section 8 (Documents Comprising the Bid) or not prepared in accordance with Section 9 (Format of Bid), shall be rejected as non-responsive.</p>                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>D. Awarding of Contract</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>13. Packing</b>             | <p>13.1 Materials must be packed in accordance with the packing list given in <i>Section III: Technical Specifications/Packing List</i> to avoid rejection</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>14. Payment Terms</b>       | <p>14.1 Each proposal shall clearly specify the total cost of the goods and the credit period offered. These elements will form an integral part of the financial evaluation and must be explicitly stated in the bid. Payments shall be made in line with the agreed credit period, subject to satisfactory delivery, inspection, and acceptance of the goods by Fenaka Corporation Limited.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## 15. Performance Guarantee

- 15.1 The successful bidder shall, within fourteen (14) days of receiving the Notification of Award and prior to signing the contract, furnish a Performance Guarantee equivalent to fifteen percent (15%) of the contract value, in Maldivian Rufiyaa (MVR).
- The Performance Guarantee shall be provided in one of the following forms:
- An original unconditional bank guarantee; or
  - A cash deposit; or
  - An insurance bond.
- 15.2 The Performance Guarantee shall cover the supplier's obligations for the supply and installation of the goods and must remain valid until successful completion of these obligations and final acceptance by Fenaka Corporation Limited.
- 15.3 Failure of the successful bidder to submit the Performance Guarantee within the stipulated period shall constitute sufficient grounds for cancellation of the award.
- 15.4 The Performance Guarantee will be released by Fenaka Corporation Limited only upon satisfactory completion of the contract and issuance of the final acceptance certificate.

## Section II: Evaluation Criteria

**Proposal Cost:** 90 points for the lowest price

- (Lowest price / proposed price) x 90

- **Delivery:** 05 points for the lowest delivery period
- (Lowest delivery period / proposed delivery period) x 05
- Full marks for up to 75days delivery

**Credit Period:** 05 points for the maximum credit period

- (Proposed credit period / longest credit period) x 05

**Note:** Any discrepancy in technical details specified in quotation with technical specification document, the specification shall prevail.

## Section III: Technical Specifications

|                                              |     |        |
|----------------------------------------------|-----|--------|
| CABLE JOINT KIT 6SQMM LV (HEAT SHRINKABLE)   | NOS | 200.00 |
| CABLE JOINT KIT 16SQMM LV (HEAT SHRINKABLE)  | NOS | 100.00 |
| CABLE JOINT KIT 35SQMM LV (HEAT SHRINKABLE)  | NOS | 50.00  |
| CABLE JOINT KIT 50SQMM LV (HEAT SHRINKABLE)  | NOS | 50.00  |
| CABLE JOINT KIT 70SQMM LV (HEAT SHRINKABLE)  | NOS | 50.00  |
| CABLE JOINT KIT 95SQMM LV (HEAT SHRINKABLE)  | NOS | 50.00  |
| CABLE JOINT KIT 120SQMM LV (HEAT SHRINKABLE) | NOS | 20.00  |
| CABLE JOINT KIT 150SQMM LV (HEAT SHRINKABLE) | NOS | 10.00  |
| CABLE JOINT KIT 185SQMM LV (HEAT SHRINKABLE) | NOS | 3.00   |
| COPPER CABLE LUG 35SQMM                      | NOS | 200.00 |
| COPPER CABLE LUG 50SQMM                      | NOS | 200.00 |
| COPPER CABLE LUG 70SQMM                      | NOS | 200.00 |
| COPPER CABLE LUG 95SQMM                      | NOS | 200.00 |
| COPPER CABLE LUG 120SQMM                     | NOS | 200.00 |
| COPPER CABLE LUG 150SQMM                     | NOS | 100.00 |
| COPPER CABLE LUG 185SQMM                     | NOS | 20.00  |
| COPPER CABLE LUG 300SQMM                     | NOS | 60.00  |
| COPPER CABLE LUG 630SQMM                     | NOS | 32.00  |
| LUG SLEEVE 35SQMM (RED)                      | NOS | 50.00  |
| LUG SLEEVE 35SQMM (YELLOW)                   | NOS | 50.00  |
| LUG SLEEVE 35SQMM (BLUE)                     | NOS | 50.00  |
| LUG SLEEVE 35SQMM (BLACK)                    | NOS | 50.00  |
| LUG SLEEVE 50SQMM (RED)                      | NOS | 50.00  |
| LUG SLEEVE 50SQMM (YELLOW)                   | NOS | 50.00  |
| LUG SLEEVE 50SQMM (BLUE)                     | NOS | 50.00  |
| LUG SLEEVE 50SQMM (BLACK)                    | NOS | 50.00  |
| LUG SLEEVE 70SQMM (RED)                      | NOS | 50.00  |
| LUG SLEEVE 70SQMM (YELLOW)                   | NOS | 50.00  |
| LUG SLEEVE 70SQMM (BLUE)                     | NOS | 50.00  |
| LUG SLEEVE 70SQMM (BLACK)                    | NOS | 50.00  |
| LUG SLEEVE 70SQMM (GREEN)                    | NOS | 50.00  |
| LUG SLEEVE 95SQMM (RED)                      | NOS | 50.00  |

|                                            |     |        |
|--------------------------------------------|-----|--------|
| LUG SLEEVE 95SQMM (BLUE)                   | NOS | 50.00  |
| LUG SLEEVE 95SQMM (YELLOW)                 | NOS | 50.00  |
| LUG SLEEVE 95SQMM (BLACK)                  | NOS | 50.00  |
| LUG SLEEVE 120SQMM (RED)                   | NOS | 50.00  |
| LUG SLEEVE 120SQMM (YELLOW)                | NOS | 50.00  |
| LUG SLEEVE 120SQMM (BLUE)                  | NOS | 50.00  |
| LUG SLEEVE 120SQMM (BLACK)                 | NOS | 50.00  |
| LUG SLEEVE 150SQMM (RED)                   | NOS | 5.00   |
| LUG SLEEVE 150SQMM (YELLOW)                | NOS | 5.00   |
| LUG SLEEVE 150SQMM (BLUE)                  | NOS | 5.00   |
| LUG SLEEVE 150SQMM (BLACK)                 | NOS | 5.00   |
| CABLE SLEEVE 185SQMM (RED)                 | NOS | 2.00   |
| CABLE SLEEVE 185SQMM (YELLOW)              | NOS | 2.00   |
| CABLE SLEEVE 185SQMM (BLUE)                | NOS | 2.00   |
| CABLE SLEEVE 185SQMM (BLACK)               | NOS | 2.00   |
| LUG SLEEVE 300SQMM (RED)                   | NOS | 5.00   |
| LUG SLEEVE 300SQMM (YELLOW)                | NOS | 5.00   |
| LUG SLEEVE 300SQMM (BLUE)                  | NOS | 5.00   |
| LUG SLEEVE 300SQMM (BLACK)                 | NOS | 5.00   |
| LUG SLEEVE 630SQMM (RED)                   | NOS | 8.00   |
| LUG SLEEVE 630SQMM (YELLOW)                | NOS | 8.00   |
| LUG SLEEVE 630SQMM (BLUE)                  | NOS | 8.00   |
| LUG SLEEVE 630SQMM (BLACK)                 | NOS | 8.00   |
| MCB 1P 40A                                 | NOS | 150.00 |
| MCB 3P 63A                                 | NOS | 60.00  |
| CURRENT TRANSFORMER (CT) 300/5A            | NOS | 4.00   |
| CURRENT TRANSFORMER (CT) 400/5A            | NOS | 4.00   |
| CURRENT TRANSFORMER (CT) 600/5A            | NOS | 4.00   |
| CURRENT TRANSFORMER (CT) 800/5A            | NOS | 4.00   |
| CURRENT TRANSFORMER (CT) 1200/5A           | NOS | 4.00   |
| ZERO PHASE CT ZCT-65                       | NOS | 5.00   |
| ZERO PHASE CT ZCT-80                       | NOS | 5.00   |
| ZERO PHASE CT 100MM                        | NOS | 5.00   |
| BUSBAR 100A 3P (I TYPE) (DISTRIBUTION BOX) | NOS | 15.00  |
| Tin-plated Copper Busbar (30 x 5mm)        | MTR | 15.00  |
| OVER CURRENT RELAY (OCR)                   | NOS | 5.00   |
| MCCB 3P 160A                               | NOS | 3.00   |
| MCCB 3P 250A with Shunt Trip Coil          | NOS | 3.00   |

|                                                  |     |       |
|--------------------------------------------------|-----|-------|
| MCCB 3P 300A with Shunt Trip Coil                | NOS | 5.00  |
| MCCB 3P 400A with Shunt Trip Coil                | NOS | 5.00  |
| MCCB 3P 160A with Shunt Trip Coil                | NOS | 1.00  |
| MCCB 3P 200A                                     | NOS | 8.00  |
| Air Circuit Breaker (ACB) 3P 800A-Draw-out type  | NOS | 1.00  |
| Air Circuit Breaker (ACB) 3P 1200A-Draw-out type | NOS | 1.00  |
| Air Circuit Breaker (ACB) 3P 2000A-Draw-out type | NOS | 1.00  |
| EARTH FAULT RELAY                                | NOS | 15.00 |
| RAYCHEM PIPE 35 X 70                             | MTR | 10.00 |
| RAYCHEM PIPE 955QMM X 150                        | MTR | 10.00 |
| CABLE REPAIR ZIP SLEEVE HEAT SHRINKABLE 15X50MM  | NOS | 5.00  |
| CABLE REPAIR ZIP SLEEVE HEAT SHRINKABLE 25X80MM  | NOS | 10.00 |
| CABLE REPAIR ZIP SLEEVE HEAT SHRINKABLE 30X100MM | NOS | 5.00  |
| THREE PHASE MULTIFUNCTION POWER METER            | NOS | 3.00  |

### Low Voltage Heat Shrinkable Straight Through Joint Kit

Rated Voltage: 1 kV

Joint kit shall be suitable for XLPE/PVC/PVC insulated 4-core cables with steel wire armour of copper conductors from 16sqmm to 185 sqmm, complete with following accessories:

| #  | Item                                                                             | Quantity | UoM  |
|----|----------------------------------------------------------------------------------|----------|------|
| 1  | Heat Shrinkable Outer Sleeve with adhesive coating (refer to Table 1 for length) | 1        | Nos  |
| 2  | Heat Shrinkable cable connector Sleeves with adhesive coating                    | 4        | Nos  |
| 3  | Galvanized iron wire mesh or equivalent mechanical protector                     | 1        | Roll |
| 4  | Hose Clips                                                                       | 2        | Nos  |
| 5  | Tinned Copper Earthing braid                                                     | 1        | Nos  |
| 6  | Tinned Copper Binding Wire                                                       | 1        | Nos  |
| 7  | Sealing tape for cable connector                                                 | 4        | Nos  |
| 8  | Black Mastic Tape                                                                | 1        | Nos  |
| 9  | Tinned Copper Cable Connectors                                                   | 4        | Nos  |
| 10 | Cleaning Tissue                                                                  | 4        | Nos  |
| 11 | Insulation Tape                                                                  | 1        | Nos  |

The following minimum length of outer sleeve must be provided for each conductor size:

| Cable Size (Conductor Cross-section in sqmm) | Length of Heat Shrinkable Outer Sleeve in mm |
|----------------------------------------------|----------------------------------------------|
| 10-16                                        | >550                                         |
| 25-50                                        | >600                                         |
| 70-120                                       | >700                                         |
| 150-240                                      | >950                                         |

|         |       |
|---------|-------|
| 300-400 | >1000 |
|---------|-------|

**Copper Cable Lugs (35 sqmm, 50 sqmm, 70 sqmm, 95 sqmm, 120 sqmm, 150 sqmm, 185 sqmm, 300 sqmm, 630 sqmm)**

Heavy duty tinned copper cables lugs of hole and minimum wall thickness sizes as follows:

| Cross-sectional Area | Hole Size | Wall Thickness |
|----------------------|-----------|----------------|
| 35sqmm               | 10 mm     | 2.2 mm         |
| 50sqmm               | 10 mm     | 2.2 mm         |
| 70sqmm               | 12 mm     | 2.8 mm         |
| 95sqmm               | 12 mm     | 3.5 mm         |
| 120sqmm              | 12 mm     | 3.5 mm         |
| 150sqmm              | 12 mm     | 4.0 mm         |
| 185sqmm              | 14 mm     | 4.5 mm         |
| 300sqmm              | 14 mm     | 5.0 mm         |
| 630sqmm              | 16 mm     | 5.0 mm         |

**40A MCB Specification**

Single-pole 40A MCB conforming to the specifications below. Brand must be internationally recognized and one of either ABB/Schneider/Hager/Chint/Entek/General Electric/Siemens.

|                 |                         |
|-----------------|-------------------------|
| Number of Poles | 1 pole                  |
| Rated Current   | 40 A                    |
| Voltage         | 240/415 V <sub>AC</sub> |
| Tripping Curve  | Type C                  |

|                         |               |
|-------------------------|---------------|
| Rated Breaking Capacity | 10 kA         |
| Operating Temperature   | -40 to +70 °C |
| Conforming Standard     | IEC 60898-1   |

### 63A MCB Specification

Three-pole 63A MCB conforming to the specifications below. Brand must be internationally recognized and one of either ABB/Schneider/Hager/Chint/Entek/General Electric/Siemens.

|                         |                         |
|-------------------------|-------------------------|
| Number of Poles         | 3 pole                  |
| Rated Current           | 63 A                    |
| Voltage                 | 240/415 V <sub>AC</sub> |
| Tripping Curve          | Type C                  |
| Rated Breaking Capacity | 10 kA                   |
| Operating Temperature   | -40 to +70 °C           |
| Conforming Standard     | IEC 60898-1             |

### 160 A MCCB with tripping mechanism Specification

160 A Rated Moulded Case Circuit breaker with adjustable thermal and magnetic trip settings and motor operated tripping mechanism meeting the following technical specifications:

|                          |         |
|--------------------------|---------|
| Number of Poles          | 3 Pole  |
| Type                     | Fixed   |
| Rated Insulation Voltage | >1000 V |
| Frequency                | 50 Hz   |
| Rated Voltage            | 415 V   |

|                                      |                               |
|--------------------------------------|-------------------------------|
| Rated Current                        | 160 A (Adjustable to 0.63 Ir) |
| Rated Short Circuit Breaking Current | 35kA RMS                      |
| Control Mechanism                    | Local + Remote                |
| Control Voltage                      | 230 Vac                       |
| Conforming Standard                  | IEC 60947-2                   |

### **250 A MCCB with tripping mechanism Specification**

250 A Rated Moulded Case Circuit breaker with adjustable thermal and magnetic trip settings and motor operated tripping mechanism meeting the following technical specifications:

|                                      |                               |
|--------------------------------------|-------------------------------|
| Number of Poles                      | 3 Pole                        |
| Type                                 | Fixed                         |
| Rated Insulation Voltage             | >1000 V                       |
| Frequency                            | 50 Hz                         |
| Rated Voltage                        | 415 V                         |
| Rated Current                        | 250 A (Adjustable to 0.63 Ir) |
| Rated Short Circuit Breaking Current | 35kA RMS                      |
| Control Mechanism                    | Local + Remote                |
| Control Voltage                      | 230 Vac                       |
| Conforming Standard                  | IEC 60947-2                   |

### **300 A MCCB with tripping mechanism Specification**

300 A Rated Moulded Case Circuit breaker with adjustable thermal and magnetic trip settings and motor operated tripping mechanism meeting the following technical specifications:

|                                      |                               |
|--------------------------------------|-------------------------------|
| Number of Poles                      | 3 Pole                        |
| Type                                 | Fixed                         |
| Rated Insulation Voltage             | >1000 V                       |
| Frequency                            | 50 Hz                         |
| Rated Voltage                        | 415 V                         |
| Rated Current                        | 300 A (Adjustable to 0.63 Ir) |
| Rated Short Circuit Breaking Current | 35kA RMS                      |
| Control Mechanism                    | Local + Remote                |
| Control Voltage                      | 230 Vac                       |
| Conforming Standard                  | IEC 60947-2                   |

### **400 A MCCB with tripping mechanism Specification**

400 A Rated Moulded Case Circuit breaker with adjustable thermal and magnetic trip settings and motor operated tripping mechanism meeting the following technical specifications:

|                                      |                               |
|--------------------------------------|-------------------------------|
| Number of Poles                      | 3 Pole                        |
| Type                                 | Fixed                         |
| Rated Insulation Voltage             | >1000 V                       |
| Frequency                            | 50 Hz                         |
| Rated Voltage                        | 415 V                         |
| Rated Current                        | 400 A (Adjustable to 0.63 Ir) |
| Rated Short Circuit Breaking Current | 35kA RMS                      |

|                     |                |
|---------------------|----------------|
| Control Mechanism   | Local + Remote |
| Control Voltage     | 230 Vac        |
| Conforming Standard | IEC 60947-2    |

### **200 A MCCB Specification**

200 A Rated Moulded Case Circuit breaker with adjustable thermal and magnetic trip settings meeting the following technical specifications:

|                                      |                               |
|--------------------------------------|-------------------------------|
| Number of Poles                      | 3 Pole                        |
| Type                                 | Fixed                         |
| Rated Insulation Voltage             | >750 V                        |
| Frequency                            | 50 Hz                         |
| Rated Voltage                        | 415 V                         |
| Rated Current                        | 200 A (Adjustable to 0.63 Ir) |
| Rated Short Circuit Breaking Current | 25kA RMS                      |
| Control Mechanism                    | Local                         |

### **800 A Air Circuit Breaker Specification**

800 A Rated Draw-out type Air Circuit breaker with adjustable thermal and magnetic trip settings and motor operating mechanism meeting the following technical specifications:

|                          |          |
|--------------------------|----------|
| Number of Poles          | 3 Pole   |
| Type                     | Draw-out |
| Rated Insulation Voltage | >2000 V  |
| Tripping Supply Voltage  | 24 Vdc   |

|                                      |                               |
|--------------------------------------|-------------------------------|
| Frequency                            | 50 Hz                         |
| Rated Voltage                        | 415 V                         |
| Rated Current                        | 800 A (Adjustable to 0.63 Ir) |
| Rated Short Circuit Breaking Current | 65kA RMS                      |
| Control Mechanism                    | Remote + Local                |
| Conforming Standard                  | IEC 60947                     |

### 1200 A Air Circuit Breaker Specification

1200 A Rated Draw-out type Air Circuit breaker with adjustable thermal and magnetic trip settings and motor operating mechanism meeting the following technical specifications:

|                                      |                                |
|--------------------------------------|--------------------------------|
| Number of Poles                      | 3 Pole                         |
| Type                                 | Draw-out                       |
| Rated Insulation Voltage             | >2000 V                        |
| Tripping Supply Voltage              | 24 Vdc                         |
| Frequency                            | 50 Hz                          |
| Rated Voltage                        | 415 V                          |
| Rated Current                        | 1200 A (Adjustable to 0.63 Ir) |
| Rated Short Circuit Breaking Current | 65kA RMS                       |
| Control Mechanism                    | Remote + Local                 |
| Conforming Standard                  | IEC 60947                      |

### 2000 A Air Circuit Breaker Specification

2000 A Rated Draw-out type Air Circuit breaker with adjustable thermal and magnetic trip settings and motor operating mechanism meeting the following technical specifications:

|                                      |                                |
|--------------------------------------|--------------------------------|
| Number of Poles                      | 3 Pole                         |
| Type                                 | Draw-out                       |
| Rated Insulation Voltage             | >2000 V                        |
| Tripping Supply Voltage              | 24 Vdc                         |
| Frequency                            | 50 Hz                          |
| Rated Voltage                        | 415 V                          |
| Rated Current                        | 2000 A (Adjustable to 0.63 Ir) |
| Rated Short Circuit Breaking Current | 65kA RMS                       |
| Control Mechanism                    | Remote + Local                 |
| Conforming Standard                  | IEC 60947                      |

### Earth Fault Relay Specification

Earth fault relay shall have a digital LED display, adjustable range of tripping current and time delay, and must conform to below specifications:

|                       |               |
|-----------------------|---------------|
| Input voltage         | ~220 VAC      |
| Measurement Range     | 0.01 – 30.0 A |
| Operating Temperature | up to 50°C    |

|                  |                                |
|------------------|--------------------------------|
| Current Input    | Zero-phase Current Transformer |
| Time Delay Range | 0.03 to minimum 10 seconds     |
| Fixing Method    | Panel door mount-type          |

### Raychem Pipe 35 x 70 Specification

Heat shrink tubes suitable for 4-core copper conductor, XLPE/PVC/PVC steel wire armoured cables of cross-section areas 35sqmm to 70 sqmm.

### Raychem Pipe 95 x 150 Specification

Heat shrink tubes suitable for 4-core copper conductor, XLPE/PVC/PVC steel wire armoured cables of cross-section areas 95sqmm to 150 sqmm.

### 3-phase Multifunction Meter Specification

Digital, multifunction power meter suitable for affixing to low voltage distribution panels with the following technical specifications.

|                     |                                        |
|---------------------|----------------------------------------|
| Input voltage       | 415 V <sub>AC</sub>                    |
| Accuracy Class      | Minimum Class I                        |
| Measured values     | V, A, kW, kVAR, KVA, p.f, Hz, kWh, THD |
| Communication       | RS485/Ethernet                         |
| Conforming Standard | IEC 62053-22                           |