

अनुबंध | Contract



अनुबंध क्रमांक | Contract No: GEMC-511687736597695

अनुबंध तिथि | Generated Date : 23-May-2025

बोली/आरए/पीबीपी संख्या | Bid/RA/PBP No.: [GEM/2025/B/5962180](#)

| संगठन विवरण Organisation Details | | खरीदार विवरण Buyer Details | | | | |
|--|--|---|---|-------------------------------------|---|---|
| प्ररूप Type : | Central PSU | पद Designation : | Junior Office Assistant | | | |
| मंत्रालय Ministry : | Ministry of Finance | संपर्क नंबर Contact No. : | 040-27268300-117 | | | |
| विभाग Department : | Department of Economic Affairs | ईमेल आईडी Email ID : | buyer70.spmcils.ts@gembuyer.in | | | |
| संगठन का नाम Organisation Name : | Security Printing and Minting Corporation of India Limited (SPMCIL) | जीएसटीआईएन GSTIN : | - | | | |
| कार्यालय क्षेत्र Office Zone: | janpath | पता Address : | India Govt Mint, IDA, Phase-II Cherapally, (R.R district) Hyderabad, Telangana, Hyderabad, TELANGANA-500051, India | | | |
| वित्तीय स्वीकृति विवरण Financial Approval Detail | | भुगतान प्राधिकरण विवरण Paying Authority Details | | | | |
| आईएफडी सहमति IFD Concurrence : | No | Role: | PAO | | | |
| प्रशासनिक अनुमोदन का पदनाम Designation of Administrative Approval: | JGM (TO) | भुगतान का तरीका Payment Mode: | Offline | | | |
| वित्तीय अनुमोदन का पदनाम Designation of Financial Approval : | DGM(F&A) | पद Designation : | DGM Finance | | | |
| | | ईमेल आईडी Email ID : | pao1.ofb.tel@gembuyer.in | | | |
| | | जीएसटीआईएन GSTIN : | 36AAJCS6111J2Z8 | | | |
| | | पता Address: | India Govt Mint, IDA, Phase-II Cherapally, (R.R district) Hyderabad , Telangana, Hyderabad, TELANGANA-500051, India | | | |
| विक्रेता विवरण Seller Details | | | | | | |
| जेम विक्रेता आईडी GeM Seller ID : | SADV200001649020 | | | | | |
| कंपनी का नाम Company Name : | M.K. ELECTRIC COMPANY | | | | | |
| संपर्क नंबर Contact No. : | 08494941571 | | | | | |
| ईमेल आईडी Email ID : | mkec1965@gmail.com | | | | | |
| पता Address : | NO.52,V.S.LANE, CHCIKPET CROSS, Bangalore, KARNATAKA-560053, - | | | | | |
| एमएसएमई पंजीकरण संख्या MSME Registration number : | UDYAM-KR-03-0030779 | | | | | |
| जीएसटीआईएन GSTIN: | 29ADRP2198R1ZA (R) , (M) | | | | | |
| खरीदार द्वारा मूल्यांकित एमआईआई स्थिति MII Status as evaluated by buyer : | Verified | | | | | |
| खरीदार द्वारा सत्यापित एमएसएमई स्थिति MSME Status as verified by buyer : | Not Verified | | | | | |
| एमएसई सामाजिक श्रेणी MSE Social Category : | General | | | | | |
| एमएसई लिंग श्रेणी MSE Gender : | Male | | | | | |
| *जिसके नाम के पक्ष में GST/TAX इनवॉइस पेश किया जाएगा GST / Tax invoice to be raised in the name of - Consignee | | | | | | |
| वितरण निर्देश Delivery Instructions : NA | | | | | | |
| उत्पाद विवरण Product Details | | | | | | |
| # | आइटम विवरण Item Description | आइटम विवरण Ordered Quantity | इकाई Unit | इकाई मूल्य (INR) Unit Price (INR) | कर विभाजन (INR) Tax Bifurcation (INR) | मूल्य (INR में सभी शुल्क और कर सहित) Price (Inclusive of all Duties and Taxes in INR) |
| 1 | उत्पाद का नाम Product Name : 3 Phase Over current (OC) & Earth fault (EF) protection relay ब्रांड Brand : L&T ब्रांड प्रकार Brand Type : NA कैटलॉग की स्थिति Catalogue Status: NA कैसे बेचा जा रहा है Selling As : NA श्रेणी का नाम और चतुर्थांश Category Name & Quadrant : NA (-) मॉडल Model: MC61C-NC 3PH EFR L&T AMKE एचएसएन कोड HSN Code: HSN not specified by seller | 2 | pieces | 21,049 | NA | 42,098 |
| 2 | उत्पाद का नाम Product Name : 12 Windows Alarm Annunciator ब्रांड Brand : MINILEC ब्रांड प्रकार Brand Type : NA कैटलॉग की स्थिति Catalogue Status: NA कैसे बेचा जा रहा है Selling As : NA श्रेणी का नाम और चतुर्थांश Category Name & Quadrant : NA (-) मॉडल Model: 12 WINDOW ANNUNCIATOR CAT No : 312B0SPO MINILEC एचएसएन कोड HSN Code: HSN not specified by seller | 1 | pieces | 13,729 | NA | 13,729 |
| कुल ऑर्डर मूल्य Total Order Value (in INR) | | | | | | 55,827 |

परोक्षी विवरण | Consignee Detail

| क्र.सं. S.No | परोक्षी Consignee | वस्तु Item | लॉट नंबर Lot No. | मात्रा Quantity | दिनांक के बाद डिलीवरी शुरू करना है Delivery Start After | वितरण पूरा कब तक करना है Delivery To Be Completed By |
|----------------|---|---|--------------------|-------------------|---|--|
| 1 | पद Designation :- ईमेल आईडी Email ID : con170.spmcils.ts@gembuyer.in संपर्क Contact : 040-27268300-221 जीएसटीआईएन GSTIN : 36AAJCS6111J2Z8 पता Address : India Govt Mint, IDA, Phase-II Cherapally, (R.R district) Hyderabad , Telangana, Hyderabad, TELANGANA-500051, India | 3 Phase Over current (OC) & Earth fault (EF) protection relay | - | 2 | 23-May-2025 | 07-Jun-2025 |
| | | 12 Windows Alarm Annunciator | - | 1 | 23-May-2025 | 07-Jun-2025 |

Product Specification for 3 Phase Over current (OC) & Earth fault (EF) protection relay

| विनिर्देश Specification | उप-विनिर्देश Sub-Spec | मूल्य Value |
|---------------------------|-------------------------|---------------|
| Custom Specification | Custom Specification | Yes |

विक्रेता विशिष्टता दस्तावेज़ | Seller Specification Document:

| | |
|---|---|
| 1. SpecificationDocument1 | mkp.gem.gov.in/catalog_data/catalog_support_document/60/48/283/CatalogAttrs/SpecificationDocument/2025/3/3/2025_03_03_16_55_51_three-phase-over-current-earth_-2025-03-03-16-55-52_275be5bd49832022a7e7a407cf12c517.pdf |
|---|---|

खरीदार विशिष्टता दस्तावेज़ | Buyer Specification Document:

| | |
|--|--|
| 1. SpecificationDocument | mkp.gem.gov.in/catalog_data/catalog_support_document/buyer_documents/12427664/54/78/703/CatalogAttrs/SpecificationDocument/2025/2/17/technical_specifications_of_over_current_2025-02-17-14-41-57_7de7b1d351a43004bc5951f37d47ea4b.pdf |
|--|--|

Product Specification for 12 Windows Alarm Annunciator

| विनिर्देश Specification | उप-विनिर्देश Sub-Spec | मूल्य Value |
|---------------------------|-------------------------|---------------|
| Custom Specification | Custom Specification | Yes |

विक्रेता विशिष्टता दस्तावेज़ | Seller Specification Document:

| | |
|---|--|
| 1. SpecificationDocument1 | mkp.gem.gov.in/catalog_data/catalog_support_document/60/48/283/CatalogAttrs/SpecificationDocument/2025/3/3/2025_03_03_16_49_19_alarm-annunciators_2025-03-03-16-49-21_bcdb1b68f1c99b7a747f5c7ae436617d.pdf |
|---|--|

खरीदार विशिष्टता दस्तावेज़ | Buyer Specification Document:

| | |
|--|---|
| 1. SpecificationDocument | mkp.gem.gov.in/catalog_data/catalog_support_document/buyer_documents/12427664/54/78/703/CatalogAttrs/SpecificationDocument/2025/2/17/technical_specifications_of_alarm_annunciator_2025-02-17-14-38-47_d5e7a10d79dca04252c8501e204c9726.pdf |
|--|---|

ईपीबीजी विवरण | ePBG Detail

| | |
|---|----|
| सलाहकार बैंक Advisory Bank : | NA |
| ईपीबीजी प्रतिशत (%) ePBG Percentage(%): | NA |

नियम और शर्तें | Terms and Conditions

1. General Terms and Conditions-

- 1.1 This contract is governed by the [General Terms and Conditions](#), conditions stipulated to this Product/Service as provided in the Marketplace.
- 1.2 This Contract between the Seller and the Buyer, is for the supply of the Goods and/ or Services, detailed in the schedule above, in accordance with the General Terms and Conditions (GTC) unless otherwise superseded by Goods / Services specific Special Terms and Conditions (STC) and/ or BID/Reverse Auction Additional Terms and Conditions (ATC), as applicable
- 1.3 All GeM Sellers / Service Providers are mandated to ensure compliance with all the applicable laws / acts / rules including but not limited to all Labour Laws such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972 etc. Any non-compliance will be treated as breach of contract and Buyer may take suitable actions as per GeM Contract.

2. Buyer Added Bid Specific Terms and Conditions-

2.1 Generic

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

2.2 Generic

Manufacturer Authorization:Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

2.3 Generic

Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.

2.4 Generic

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

2.5 Scope of Supply:

Scope of supply (Bid price to include all cost components) : Only supply of Goods

2.6 Certificates:

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

2.7 Warranty:

Warranty period of the supplied products shall be 1 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

2.8 Buyer Added Bid Specific ATC:

Buyer Added text based ATC clauses

Technical specifications:

I. 3 Phase Over current (OC) & Earth fault (EF) protection relay with High Set & RS - 485 Port:

1. **Auxiliary Power Supply: Supply Voltage : 24V to 240V AC/DC $\pm 10\%$**
2. **Power supply burden : 24V to 240V DC $< 3W$;
24V to 240V AC $< 10VA$**
3. **Input Current (In) : CT rating (Field selectable) : 1A or 5A ;
Frequency 50Hz $\pm 5\%$;
Measurement Accuracy $\pm 5\%$ or $\pm 5mA$ whichever is higher;**
4. **Current circuit burden: Input current (In) 1A $< 0.1VA$;
Input current (In) 5A $< 0.25VA$**
5. **Overload capacity : $2I_n$ = Continuous Overload period;
 $20I_n$ = 1 second Overload period;**
6. **Storage temperature $-20^\circ C$ to $70^\circ C$ & Operating temperature $0^\circ C$ to $60^\circ C$**
7. **Output contacts**
 - a. **Rated voltage: 240V AC**
 - b. **Rated current: 5A**
 - c. **Rated breaking capacity: 2000VA**

Features:

1. **Graphical LCD & Push Buttons:** Relay should have graphical LCD interface to view the measurements, parameters and settings. Minimum Four push buttons to be provided for navigation and selection of parameters.
2. **Password protection:** Programming of relay settings is protected with user defined 4 digit numerical password. Password protection shall available through RS-485 communication.
3. **Measurement:** Relay supplied should have the capability to measure the following parameters:
 - a. **Instantaneous Phase and Earth currents.**
 - b. **Starting current - When the feeder is switched ON, relay will record the initial current as starting current.**
 - c. **Maximum current - Maximum instantaneous current during its operation till it is cleared through programming mode. (All the measured parameters shall be RMS values.)**
4. **Trip counts:** Separate trip counts for Over Current & Earth Fault should be available which should roll over after reaching 99999 and can be reset to zero at any point of time.
5. **Trip Data:** Data of latest not less than 15 Over Current & Earth Fault trips should recorded in memory. Trip data shall contain the following:
 - a. **Fault current: CT secondary current of all Phases and Earth.**
 - b. **Date and Time stamp of relay trip.**
 - c. **Trip characteristics: IDMT curves or HS.**

6. **LED indicators:** Not less than Four LEDs to be provided for phase wise trip indication. LEDs should blink during pick up and will glow steady when trip has occurred. All LEDs start blinking during programming of parameters and shall stop after programming is completed. LED trip indications should be cleared by pressing the RESET button.
7. **Characteristic curve:** Relay supplied shall have wide range of IDMT (Inverse Definite Minimum Time) characteristics curves and DTL (Definite Time Lag) options.
 - a. **IDMT Curves:**
 - i) Normal Inverse (NI) 1.3 seconds
 - ii) Normal Inverse 3 seconds
 - iii) Very Inverse (VI)
 - iv) Extremely Inverse (EI)
 - b. **DTL:** Definite time lag can be selected as 1s, 10s, and 100s.
 - i) D1 corresponds to trip time delay of 1s.
 - ii) D10 corresponds to trip time delay of 10s.
 - iii) D100 corresponds to trip time delay of 100s.
8. **Instantaneous Trip (High set):** Relay should have instantaneous Trip feature and can be assigned for any protection element. Trip time < 55ms at 2I_hs
9. **Reset Time:** Reset Time feature shall be used for intermittent faults. It should work for DTL and IDMT curves.
10. **Dual rated CT:** CT rating of the Phase and Earth CT shall be field configurable as 1A or 5A without changing the connections. CT rating can be changed in following combination,
 - a. P1E1
 - b. P5E1
 - c. P1E5
 - d. P5E5

11. Settings Range :

- A. Phase fault protection settings for IDMT curves and DTL (OCLS: Over current low set)

| S.No. | Setting | Setting Range | Incremental Step |
|-------|----------------|---------------------------|------------------|
| 1. | I _s | 0.2 to 2.0 I _n | 0.01 |
| 2. | TMS | 0.01 to 1.6 | 0.01 |

- B. Phase fault protection settings for High set (OCHS: Over current high set)

| S.No. | Setting | Setting Range | Incremental Step |
|-------|----------------|--------------------------|------------------|
| 1. | I _s | 0.2 to 40 I _n | 0.1 or Disable |

- C. Earth Fault protection setting for IDMT and DTL (EFLS: Earth fault low set)

| S.No. | Setting | Setting Range | Incremental Step |
|-------|----------------|----------------------------|------------------|
| 1. | I _s | 0.05 to 0.8 I _n | 0.01 |
| 2. | TMS | 0.01 to 1.6 | 0.01 |

- D. Earth Fault protection settings for High set (EFHS: Earth fault high set)

| S.No. | Setting | Setting Range | Incremental Step |
|-------|----------------|---------------------------|------------------|
| 1. | I _s | 0.05 to 20 I _n | 0.1 or Disable |

- E. Reset time

| S.No. | Setting | Setting Range | Incremental Step |
|-------|---------|---------------|------------------|
| 1. | T.RST | 0.1s to 10s | 0.1s or Disable |

- F. Trip time variation for Low set:

| S.No. | Type | Variation | Output contact operating time |
|-------|----------|-----------|-------------------------------|
| 1. | IDMT/DTL | ±5% | <20ms |

- G. Trip time for High set:

| S.No. | Type | Trip time | Condition |
|-------|---------------|-----------|--|
| 1. | Instantaneous | < 55ms | At 2 times of I _h s and above |

H. High set time delay:

| S.No. | Setting | Setting Range | Incremental Step |
|-------|---------|----------------------|------------------|
| 1. | OCTD | DSB,0.05,0.1 to 2sec | 0.01 |
| 2. | EFTD | DSB,0.1 to 2sec | 0.01 |

I. Trip time for Starter (Blocking output):

| S.No. | Type | Trip time |
|-------|---------------|-----------|
| 1. | Instantaneous | < 35ms |

J. Breaker operating time:

| S.No. | Setting | Setting Range | Incremental Step |
|-------|---------|-----------------|------------------|
| 1. | BOT | 0.01 to 0.25sec | 0.01 |

12. Diagnostics should be available with Relay:

- EEPROM and Real time clock (RTC) battery monitor:** The abnormality related to EEPROM will be displayed as 'EEPROM ERROR'. This error is related to the corruption of memory contents. Default settings will be loaded once this failure is detected. Low RTC battery voltage indication is displayed at the top right corner of the LCD. Low RTC battery voltage can corrupt the real time clock.
- Relay test:** this option shall energize and de-energize all the output contact s. This can be used to check the working of output contacts.
- Display test:** With this option the operation of graphical display can be checked.

13. Serial Communication: Relay supplied so shall have a RS-485 or better communication port on its rear panel. Settings and controls of the relay is accessible through the port using MODBUS protocol.

14. Standards applicable : (Manufacturers certification in this regards shall be submitted during tendering stage)

- Dielectric test (IEC60255-27) :** Between any two independent circuit = 2.0 kV AC RMS for 1 Minute; Across NO contact 1.0 kV AC RMS for 1 minute;
- Impulse voltage (IEC60255-27):** Between any two independent circuit 5kV peak, 1.2/50µs.
- Insulation resistance (IEC60255-27):** Insulation resistance between independent circuit : > 1000 MΩ; Insulation resistance between all circuits and body> 1000 MΩ
- Slow damped oscillatory wave (IEC60255-26):** Differential Mode 1.0kV peak, 1MHz z Common Mode 2.5kV peak, 1MHz
- Electrostatic Discharge (IEC60255-26):** Air Discharge 8kV Contact Discharge 6kV
- Electrical Fast Transient (IEC60255-26: Zone A)** In any circuit 4kV, 5kHz
- Surge immunity (IEC60255-26: Zone A)** Differential mode 2kV, 1.2/50µs
- Radiation Susceptibility IEC60255-26)** 10V/m, 80MHz to 2.7GHz
- Immunity to voltage variation, dips and short interrupts on power supply port (IEC60255-26)**
- Radiated Radio Frequency interference (IEC60255-26):** 30MHz to 230MHz 40dB (µV/m) at 10m Quasi peak ; 230MHz to 1GHz 47dB (µV/m) at 10m Quasi peak
- Conducted Radio Frequency interference (IEC60255-26) :** 0.15MHz to 0.5MHz 79dB (µV) at Quasi peak ; 66dB (µV) at average 0.5MHz to 30MHz 73dB (µV) at Quasi peak 60dB (µV) at average
- Vibration test (IEC60255-21-1 Class-1)**
- Shock test (IEC60255-21-2 Class-1)**

15. Preferable make and Model: Equivalent and/or superior one to L&T/L&K Make, MODEL: MC61C-NX relay

II. 12 Windows Alarm-Annunciator

- Supply Voltage:** 24 / 48 VDC;
20-60 V AC/DC;
90-270 V AC / DC.
- Windows :** 12
- Window Sizes :** 30 x 65 mm
- Display Device :** Super bright high efficiency low power consuming LED's
- Facia Type:** Individual windows lens Front Replaceable
- Window Colours :** RED
- Flash Rate:** Fast - 60 flashes/min.
Slow - 30 flashes/min.

8. Response Time: 40 msec.
9. Input Signal : Potential free contacts (NO or NC site selectable)
10. Grouping: Trip / Non Trip site selectable
11. Interrogation Voltage: + 12 V DC
12. Output Contacts: 1 NO + 1 NO+ 1 NO (optional)
13. Architecture: Integrated
14. Operational Sequences: Auto/Manual
15. Operational Temp.: 0-60 degrees C
16. Power Consumption: 1.5 Watts per Window (Max)
17. Dimensions: Overall dimensions (in mm): 144*216*215, Panel cut out (in mm): 138*210.
18. Preferable Make and Model: Equivalent and/or superior model to Minilec make Model: 3D 312B0SPO.

Note:

Duly signed, stamped and Sealed GeM bid document to be submitted along with the bid as a token of acceptance of Technical Specifications and all terms and conditions of the GeM Bid document.

नोट: यह सिस्टम जनरेटेड फाइल है। कोई हस्ताक्षर की आवश्यकता नहीं है। इस दस्तावेज़ का प्रिंट आउट भुगतान/लेनदेन उद्देश्य के लिए मान्य नहीं है।

Note: This is system generated file. No signature is required. Print out of this document is not valid for payment/ transaction purpose.