



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2025/B/5962180
Dated/दिनांक : 24-02-2025

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	26-03-2025 10:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	26-03-2025 10:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	120 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Finance
Department Name/विभाग का नाम	Department Of Economic Affairs
Organisation Name/संगठन का नाम	Security Printing And Minting Corporation Of India Limited (spmci)
Office Name/कार्यालय का नाम	Janpath
क्रेता ईमेल/Buyer Email	buyer70.spmcils.ts@gembuyer.in
Total Quantity/कुल मात्रा	3
Item Category/मद केटेगरी	3 Phase Over current (OC) & Earth fault (EF) protection relay , 12 Windows Alarm Annunciator
GeMARPTS में खोजी गई स्ट्रिंग / Searched Strings used in GeMARPTS	12 Window Alarm Annunciator
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Alarm Annunciator unit, Mosquito Mesh Window Frame
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	• Alarm Annunciator unit
MSE Exemption for Years Of Experience/अनुभव के वर्षों से एमएसई छूट/ and Turnover/टर्नओवर के लिए एमएसई को छूट प्राप्त है	Yes
Startup Exemption for Years Of Experience/अनुभव के वर्षों से स्टार्टअप छूट/ and Turnover/ टर्नओवर के लिए स्टार्टअप को छूट प्राप्त है	Yes
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Certificate (Requested in ATC),OEM Authorization Certificate,Additional Doc 1 (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer

Bid Details/बिड विवरण	
Do you want to show documents uploaded by bidders to all bidders participated in bid?/	No
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Single Packet Bid
Primary product category	3 Phase Over current (OC) & Earth fault (EF) protection relay
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation
Arbitration Clause	No
Mediation Clause	No

EMD Detail/ईएमडी विवरण

Required/आवश्यकता	No
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ePBG Detail/ईपीबीजी विवरण

Required/आवश्यकता	No
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MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
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MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.

2. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to their meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.

3. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate. The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023 [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

4. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM No. F.1/4/2021-PPD dated 18.05.2023 [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

5. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

3 Phase Over Current (OC) & Earth Fault (EF) Protection Relay (2 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

Buyer Specification Document/क्रेता विशिष्टि दस्तावेज़	Download
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Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्र

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्र	Delivery Days/डिलीवरी के दिन
1	Gadham Vidyasagar	500051,India Govt Mint, IDA, Phase-II Cherapally, (R.R district) Hyderabad , Telangana	2	15

12 Windows Alarm Annunciator (1 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

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1	Gadham Vidyasagar	500051,India Govt Mint, IDA, Phase-II Cherapally, (R.R district) Hyderabad , Telangana	1	15

Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें**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. 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

3. Generic

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

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.

5. **Scope of Supply**

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

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.

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.

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 be 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_h
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.	Is	0.2 to 2.0 In	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.	Is	0.2 to 40 In	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.	Is	0.05 to 0.8 In	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.	Is	0.05 to 20 In	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 Ihs 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
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1.	Instantaneous	< 35ms
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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:

- a. 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.
- b. Relay test: this option shall energize and de-energize all the output contacts. This can be used to check the working of output contacts.
- c. 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)

- a. 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;
- b. Impulse voltage (IEC60255-27): Between any two independent circuit 5kV peak, 1.2/50µs.
- c. Insulation resistance (IEC60255-27): Insulation resistance between independent circuit : > 1000 MΩ; Insulation resistance between all circuits and body > 1000 MΩ
- d. Slow damped oscillatory wave (IEC60255-26): Differential Mode 1.0kV peak, 1MHz Common Mode 2.5kV peak, 1MHz
- e. Electrostatic Discharge (IEC60255-26): Air Discharge 8kV Contact Discharge 6kV
- f. Electrical Fast Transient (IEC60255-26: Zone A) In any circuit 4kV, 5kHz
- g. Surge immunity (IEC60255-26: Zone A) Differential mode 2kV, 1.2/50µs
- h. Radiation Susceptibility IEC60255-26) 10V/m, 80MHz to 2.7GHz
- i. Immunity to voltage variation, dips and short interrupts on power supply port (IEC60255-26)
- j. 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
- k. 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
- l. Vibration test (IEC60255-21-1 Class-1)
- m. 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

1. Supply Voltage: 24 / 48 VDC;
20-60 V AC/DC;
90-270 V AC / DC.
2. Windows : 12
3. Window Sizes : 30 x 65 mm
4. Display Device : Super bright high efficiency low power consuming LED'S
5. Facia Type: Individual windows lens Front Replaceable
6. Window Colours : RED
7. 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.

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.

5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

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.

[This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---