

### Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
<b>Bid End Date/Time/बिड बंद होने की तारीख/समय</b>	18-11-2024 13:00:00
<b>Bid Opening Date/Time/बिड खुलने की तारीख/समय</b>	18-11-2024 13:30:00
<b>Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)</b>	30 (Days)
<b>Ministry/State Name/मंत्रालय/राज्य का नाम</b>	Ministry Of Micro Small And Medium Enterprises
<b>Department Name/विभाग का नाम</b>	Ministry Of Micro Small And Medium Enterprises
<b>Organisation Name/संगठन का नाम</b>	Development Commissioner (micro Small & Medium Enterprises)
<b>Office Name/कार्यालय का नाम</b>	Ludhiana
<b>Total Quantity/कुल मात्रा</b>	4
<b>Item Category/मद केटेगरी</b>	Digital Trainer Kit (Q3)
<b>Years of Past Experience Required for same/similar service/उन्हीं/समान सेवाओं के लिए अपेक्षित विगत अनुभव के वर्ष</b>	1 Year (s)
<b>MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्ष से एमएसई छूट</b>	No
<b>Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्ष से स्टार्टअप छूट</b>	No
<b>Document required from seller/विकेता से मांगे गए दस्तावेज़</b>	Experience Criteria *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
<b>Do you want to show documents uploaded by bidders to all bidders participated in bid?/</b>	Yes
<b>Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया</b>	No
<b>Type of Bid/बिड का प्रकार</b>	Two Packet Bid
<b>Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय</b>	2 Days

Bid Details/बिड विवरण	
<b>Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)</b>	No
<b>Estimated Bid Value/अनुमानित बिड मूल्य</b>	40000
<b>Evaluation Method/मूल्यांकन पद्धति</b>	Total value wise evaluation
<b>Arbitration Clause</b>	No
<b>Mediation Clause</b>	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	No
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#### MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

2. 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.

3. 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.

## Digital Trainer Kit ( 4 pieces )

### Technical Specifications/तकनीकी विशिष्टियाँ

\* जेम केटेगरी विशिष्टि के अनुसार / As per GeM Category Specification

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
Performance parameters	<b>Facility to study and verify all logic gates</b>	Yes
	<b>Facility to verify boolean identities and Demorgan's Theorems</b>	Yes
	<b>Number of Breadboard</b>	Others
	<b>Number of tie points per breadboard wth <math>\pm 25</math> tolerance</b>	1680, 1240, 840, 100, 400, 630, 1260
	<b>Number of data switches</b>	Others
	<b>Number of pulsar switches ( Push to On)</b>	Others
	<b>Range of fixed clock in Hz</b>	1 Hz to 100 KHz in 6 steps, 1 Hz to 1 MHz in 7 steps
	<b>Type of connectivity</b>	Screw terminals (PT 10), Snap fit
	<b>Number of seven segment display with BCD Inputs</b>	Others
	<b>Number of dual color indicators to observe high/low logic, standard outputs</b>	Others
Material and dimensional parameters	<b>Warranty in years</b>	Others
	<b>Size of breadboard in mm x mm</b>	Others
Additional parameters	<b>Material of case provided for enclosing the kit</b>	Wooden, Plastic, Stainless Steel
	<b>Number of connecting wires provided</b>	25, 50, 100, 550
	<b>Number of 2 mm to 1 mm patch cords provided</b>	Others
	<b>Number of 2 mm to 2 mm patch cords provided</b>	Others

Specification	Specification Name/विशेषि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	<b>Availability of Built in Power Supply</b>	Yes, No
	<b>Block Description Screen printed on glassy epoxy PCB</b>	Yes
Reports	<b>Availability of test report from govt/ NABL/ILAC accredited lab covering all parameters</b>	No
	<b>Copies of all certifications and reports to be provided to buyer on demand at time of supplies ,</b>	NA ,Incase test reports not available

#### Additional Specification Parameters - Digital Trainer Kit ( 4 pieces )

Specification Parameter Name	Bid Requirement (Allowed Values)
MOSFET characteristics tranning kit specifications:- Experiment can be performed:- 1. VI Characteristics of MOSFET 2. VI Characteristics of JFET3. VI Characteristics of SCR	Rectifier tranning kit specifications:- Experiment can be performed:- 1 . To Study of Half Wave Rectifier Circuit - I/O Waveform Observation. Filtering Output. 2. Ripple Factor Calculation. 8085 Microprocessor inbuilt power supply & LCD Base with external keyboard trainer kit Various Experiment can be performed:-

\* Bidders offering must also comply with the additional specification parameters mentioned above.

#### Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Ankit Shrivastava	208012,MSME Technology Centre, Kanpur PLOT NO 119-121, BLOCK-T, FAZALGANJ INDUSTRIAL ESTATE, NEAR BPCL FAZALGANJ DEPOT, KAMLA CLUB ROAD, KANPUR, Uttar Pradesh	4	15

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

### **1. Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

### **2. Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

#### **1. MOSFET characteristics trainer kit specifications, Qty: 01 No: -**

1. On board isolated variable DC power supply of 0 to +30V DC/ 200mA (2nos)
2. On board Digital panel meter: DC Ammeter 1 no.
3. On board variable resistor: 2 no.
4. On board fix resistor :6 no.
5. On board MOSFET, JFET, SCR and UJT
6. Input line voltage: 230V AC, 50 Hz

#### **Experiment can be performed: -**

1. VI Characteristics of MOSFET
2. VI Characteristics of JFET
3. VI Characteristics of SCR

#### **2. Rectifier trainer kit specifications, Qty: 01 No. : -**

1. Transformer Rating: 9-0-9V/200mA (approximate)
2. Rectifiers: Half wave; Full wave - Bridge, Centre Tapped Rectifier
3. On-board DC Voltmeter: Range 0 - 20V
4. On-board AC Voltmeter: Range 0 - 20V
5. Load: Variable Resistive load 10K
6. Filter Circuit: In-built Capacitor(3nos.)
7. In-built- Inductor (1no.)
8. Input Line Voltage: 230V AC  $\pm$  10%, 50Hz

#### **Experiment can be performed: -**

1. To Study of Half Wave Rectifier Circuit Waveform Observation.
2. Ripple Factor Calculation.
3. To Study of Full Wave Rectifier (Centre Tapped) Circuit with & without filter circuits and ripple factor & efficiency calculation.
4. To Study of Bridge Rectifier Circuit with & without filter circuits and ripple factor & efficiency calculation.

### **3. 8085 Microprocessor Inbuilt Power supply Trainer, Qty: 01 No :-**

#### **Experiment can be performed: -**

1. Program for Hexadecimal & Decimal Numbers.
2. Program for Subtract Hexadecimal & Decimal Numbers
3. Program to add Hexadecimal & Decimal Numbers
4. Addition & Subtraction
5. 8-bit number using in addition method
6. 8-bit Rotation method
7. 8-bit Repeated Subtraction
8. 8-bit Rotation method
9. Largest & Smallest number in array
10. Interfacing a program to initiate 8251 and check transmission & reception of character.

### **4. 8085 Microprocessor with LCD & External keyboard Trainer, 01 No.: -**

#### **Experiment can be performed: -**

1. Program for Hexadecimal & Decimal Numbers.
2. Program for Subtract Hexadecimal & Decimal Numbers
3. Program to add Hexadecimal & Decimal Numbers
4. Addition & Subtraction
5. 8-bit number using in addition method
6. 8-bit Rotation method
7. 8-bit Repeated Subtraction
8. 8-bit Rotation method
9. Largest & Smallest number in array
10. Interfacing a program to initiate 8251 and check transmission & reception of character.

#### **Supply & Others :-**

1. Material of case provided for enclosing the KIT - Stainless steel
2. Warranty in years : 1 Year
3. Selected bidder will provide demonstration of trainer kit to our teaching staff member and also submit experiment manual sheet (hardcopy and softcopy) and minutes of meeting sign documents (seller and buyer side trainers) to be attached with tax invoice.
4. Required Block Diagram with Description in screen printed on Glassy epoxy PCB .
5. Application of All Trainer kit - Kit is used to teach students about designing as per experimental parameters.

## 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.

[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 नियिदा 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---**