



Bid Number: GEM/2020/B/694663  
Dated: 02-07-2020

### Bid Document

Bid Details	
Bid End Date/Time	14-07-2020 11:00:00
Bid Opening Date/Time	14-07-2020 11:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Human Resource Development
Department Name	Department Of Higher Education
Organisation Name	Indian Institute Of Science Education And Research (iisers)
Office Name	Pune 411008
Total Quantity	10
Item Category	Microcontroller Educational Kit
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Certificate (Requested in ATC),OEM Authorization Certificate *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 to RA enabled	No
Inspection Required	No
Estimated Bid Value	50000

#### EMD Detail

Required	No
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#### ePBG Detail

Required	No
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#### Splitting

Bid splitting not applied.

## Microcontroller Educational Kit ( 10 pieces )

### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
FEATURES AND FUNCTIONALITY PARAMETERS OF MICROCONTROLLER EDUCATIONAL KIT	<b>Name of Microcontroller kit</b>	8051	8051
	<b>Onboard study cards included in the scope of supply</b>	Other study cards	Other study cards
	If other then indicate name/no of onboard study card	-	*
	Availability of Power supply section	Yes	*
	Availability of Interface section	Yes	*
	Availability of I/O Interface	Yes	*
	<b>Availability of interfacing present on microcontroller kit</b>	Other	Other
	If Other in above parameter then indicate types of interfacing	-	*
	<b>Availability of memory storage devices present on microcontroller kit</b>	Other	Other
	If Other in above parameter then indicate types of memory storage devices	-	*
	<b>Memory capacity of Monitor EEPROM</b>	4	4
Provision of CD (Soft Copy) with sample project code, Programmer software & useful documents	No	*	

	<b>Number of I/O Pins for External Interface</b>	8	8
	Availability for Onboard 7 Segment multiplexed display	No	*
	Availability for Onboard LCD/LED display	No	*
	If yes, then Size of LCD/LEDdisplay (in character)	NA	*
	<b>Number of Onboard switches available</b>	4	4
	Availability for Onboard FRC(Flat ribbon connector) for Bus Extension	No	*
	Availability for Onboard DB connector for UART (RS232) interface	No	*
	Operating Frequency in Hertz	-	*
	Availability of Watchdog timer to automatically reset an embedded device that hangs because of a software or hardware fault	No	*
	Availability of Digital Temperature sensor	No	*
	Availability of two pushbuttons for interrupts study	Yes	*
	Indicate the details of Interrupts present in microcontroller kit	-	*
	Availability for Real Time Applications with sensor	No	*
	Facility to interface external modules	No	*
	Connection Cable used	NA	*
OPEARTING CONDITION	Minimum Operating temperature for microcontroller kit in degree celsius	0	*
	Maximum Operating temperature for microcontroller kit in	45	*

	degree celsius		
	Operating Humidity for microcontroller kit (RH)	90%	*
TEST CERTIFICATION AND PAST EXPERIENCE	<b>Whether the offered kit tested at Central Govt / NABL approved / ILAC accredited Lab, any NABL accredited lab, govt lab/international lab to prove conformity to the specification</b>	No	No
	If Yes, Test Report to be furnished to the Buyer on demand	Yes	*
	If yes, then indicate the name of the lab	-	*
	If yes, then indicate the test certificate number & date	-	*
	Whether manufacturer of offered product has national/international certification (such as ISO, TUV, etc )	No	*
	If yes, then indicate name of certification & certificate number and date	-	*
	Institute where the offered microcontroller kit supplied in the past( Non biddable parameter)	IIT	*
	Specify the names of the institute where the microcontroller kit supplied in the past with complete address	-	*
	GENERIC PARAMETERS	Installation and Demonstration included in the scope of supply	No
List of items and its number included in the offered package		-	*
Supplied with comprehensive user manual		Yes	*

<b>Warranty of Microcontroller kit</b>	1	1
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\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

### Additional Specification Documents

### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	John Albert K	411008,Indian Institute of Science Education and Research, Pune (IISER) Dr.Homi Bhabha Road , Pashan Pune 411008 Email: purchase@iiserpune.ac.in For Payment Status: 020 2590 8180/8452 For Delivery Status : 020 2590 8246, PUNE CITY, 411008	10	30

### Bid Specific Additional Terms and Conditions

1. Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
2. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
3. OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent 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.
4. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
5. The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST. Applicable Concessional rate of GST : 5%  
Notification No.and date : 45/2017 - Central Tax (Rate) New Delhi dated 14/11/2017
6. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 10 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty

amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

[This Bid is also governed by the General Terms and Conditions](#)

**---Thank You---**