

Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 16:00:00
Bid Opening Date/Time	27-07-2020 16:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Niti Aayog - National Institution For Transforming India
Department Name	Atal Innovation Mission
Organisation Name	Atal Tinkering Lab
Office Name	India
Total Quantity	1
Item Category	Microcontroller Educational Kit (PAC Only)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Bid to RA enabled	No
Inspection Required	No

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Microcontroller Educational Kit (1 pieces) (Under PAC)

Make	tinkerly
Model	89s5189s52-tinkerly

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
FEATURES AND	Name of Microcontroller	8051	8051

FUNCTIONALITY
PARAMETERS OF
MICROCONTROLLER
EDUCATIONAL KIT

kit		
Onboard study cards included in the scope of supply	8255-6 (Deal with Programmable peripherals interface chip in various modes),8251-4 (Deal with Universal Synchronous/Asynchronous Reciever Transmitter),8254-4(Deal with programmable timer/counter chip in all modes),8279-4 (Keyboard display controller),8259-4(Pr ogrammable Interrupt controller),DMA-4(Direct Memory Access chip in different modes),A to D-6 (Analog to Digital conversion),D to A-6 (Digital to Analog conversion),Card for Stepper Motor,Card for DC Motor,Other study cards	*
If other then indicate name/no of onboard study card	89S51/89S52	*
Availabilty of Power supply section	Yes	*
Availabilty of Interface section	Yes	*
Availabilty of I/O Interface	Yes	*
Availability of interfacing present on microcontroller kit	LED interfacing,Keyboard interfacing,LCD interfacing,Relay interfacing,Seven segment display interfacing,Other	LED interfacing, Keyboard interfacing, LCD interfacing, Relay interfacing, Seven segment display interfacing, Other
If Other in above parameter then indicate types of interfacing	8251 Interface Card	*
Availability of memory storage devices present on microcontroller kit	Monitor EEPROM,SRAM for user Data,Battery Backup RAM,EE,Other	Monitor EEPROM, SRAM for user Data, Battery Backup RAM, EE, Other
If Other in above parameter then indicate types of memory storage devices	NA	*
Memory capacity of Monitor EEPROM	4,8,16,32,64,128,256,NA	4, 8, 16, 32, 64, 128, 256, NA
Provision of CD (Soft Copy) with sample project code, Programmer software & useful documents	Yes	*
Number of I/O Pins for External Interface	16	16
Availabilty for Onboard 7 Segment multiplexed display	Yes	*
Availabilty for Onboard LCD/LED display	No	*
If yes, then Size of LCD/LEDdisplay (in	NA	*

	character)		
	Number of Onboard switches available	4,8,16,32,64,72,NA	4, 8, 16, 32, 64, 72, NA
	Availability for Onboard FRC(Flat ribbon connector) for Bus Extension	No	*
	Availability for Onboard DB connector for UART (RS232) interface	Yes	*
	Operating Frequency in Hertz	10MHz	*
	Availability of Watchdog timer to automatically reset an embedded device that hangs because of a software or hardware fault	Yes	*
	Availability of Digital Temperature sensor	Yes	*
	Availability of two pushbuttons for interrupts study	No	*
	Indicate the details of Interrupts present in microcontroller kit	yes	*
	Availability for Real Time Applications with sensor	No	*
	Facility to interface external modules	No	*
	Connection Cable used	USB Cable,User Interface Cable	*
OPEARTING CONDITION	Minimum Operating tempature for microcontroller kit in degree celsius	0,+5,+10	*
	Maximum Operating tempature for microcontroller kit in degree celsius	35,45,55	*
	Operating Humidity for microcontroller kit (RH)	80%,85%,90%,95%	*
TEST CERTIFICATION AND PAST EXPERIENCE	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	No	No
	If yes, then indicate the name of the lab	NA	*
	If yes, then indicate the test certificate number & date	NA	*
	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	NA	*
	Specify the names of the institute where the microcontroller kit supplied in the past with complete address	Not supplied yet	*
GENERIC PARAMETERS	Installation and Demonstration included in the scope of supply	Yes	*
	List of items and its number included in the offered package	19	*
	Supplied with comprehensive user manual	Yes	*
	Warranty of Microcontroller kit	1	1

* 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	Anku Mangwana	302015,LAL KOTHI SCHEME TONK ROAD JAIPUR	1	15

Bid Specific Additional Terms and Conditions

- 1.Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

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

---Thank You---