

### Bid Document

Bid Details	
Bid End Date/Time	18-07-2020 17:00:00
Bid Opening Date/Time	18-07-2020 17:30:00
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 School Education And Literacy
Organisation Name	Kendriya Vidyalaya Sangathan (kvs)
Office Name	Kendriya Vidyalaya Cmm Jabalpur
Total Quantity	2
Item Category	Microcontroller Educational Kit ( <b>PAC Only</b> )
OEM Average Turnover (Last 3 Years)	2 Lakh (s)
Experience Criteria	2 Year (s)
MSE Exemption for Years Of Experience	Yes
Startup Exemption for Years Of Experience	Yes
Document required from seller	Experience Criteria,Certificate (Requested in ATC),OEM Annual Turnover *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

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### Splitting

Bid splitting not applied.

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 / Public Listed Company for number of years as indicated 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 year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

2. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

### Microcontroller Educational Kit ( 2 pieces ) ( Under PAC )

Make	instaprintz
Model	8051trainerskit

### 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>	8255-6 (Deal with Programmable peripherals interface chip in various modes),8251-4 (Deal with Universal Synchronous/Asynchronous Receiver Transmitter),8254-4(Deal with programmable timer/counter chip in all modes),8279-4 (Keyboard display 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	Other study cards	*
Availabilty of Power supply section	Yes	*
Availabilty of Interface section	Yes	*
Availabilty of I/O Interface	Yes	*
<b>Availabilty of interfacing present on microcontroller kit</b>	LED interfacing,Keyboard interfacing,LCD 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	NA	*
<b>Availabilty of memory storage devices present on microcontroller kit</b>	Monitor EEPROM,SRAM for user Data,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	*
<b>Memory capacity of Monitor EEPROM</b>	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	*
<b>Number of I/O Pins for External Interface</b>	32	8, 16, 32
Availabilty for Onboard 7 Segment multiplexed display	Yes	*
Availabilty for Onboard LCD/LED display	Yes	*
If yes, then Size of LCD/LEDdisplay (in character)	16x2	*
<b>Number of Onboard switches available</b>	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	50	*
	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	No	*
	Indicate the details of Interrupts present in microcontroller kit	NA	*
	Availability for Real Time Applications with sensor	No	*
	Facility to interface external modules	No	*
	Connection Cable used	NA	*
OPEARTING CONDITION	Minimum Operating tempature for microcontroller kit in degree celsius	0	*
	Maximum Operating tempature for microcontroller kit in degree celsius	45	*
	Operating Humidity for microcontroller kit (RH)	80%	*
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	Yes, 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	*
	Institute where the offered microcontroller kit supplied in the past( Non biddable parameter)	IIT,NIT,Central University,Others	*
	Specify the names of the institute where the microcontroller kit supplied in the past with complete address	NA	*
GENERIC PARAMETERS	Installation and Demonstration included in the scope of supply	Yes	*
	List of items and its number included in the offered package	NA	*
	Supplied with comprehensive user manual	Yes	*
	<b>Warranty of Microcontroller kit</b>	1,2	1, 2, 3, 5

\* 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	Bajinath Pushkar	482001,KENDRIYA VIDYALAYA, LEKHA NAGAR,	2	30

## 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)
2. Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
3. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.
4. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
5. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
6. 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.
7. Warranty period of the supplied products shall be 2 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. ISO 9001: The bidder must have ISO 9001 certification.

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

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