# Bid Document

| Bid Details | |
|---|---|
| Bid End Date/Time | 18-07-2020 18:00:00 |
| Bid Opening Date/Time | 18-07-2020 18:30:00 |
| 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 **( PAC Only )** |
| OEM Average Turnover (Last 3 Years) | 1 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,Past Performance,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover<br>*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 |
| Past Performance | 10 % |
| Bid to RA enabled | No |
| Inspection Required | No |

**EMD Detail**

| Required | No |
|---|---|

**ePBG Detail**

| Required | No |
|---|---|

**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.

3. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 10% of bid quantity, in at least one of the last three years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one year) to be submitted along with bid in support of quantity supplied in the relevant year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

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

| Make | instaprintz |
|---|---|
| Model | ip8051robot |

## Technical Specifications

[* As per GeM Category Specification](#)

| Specification | Specification Name | Values | Bid Requirement (Allowed Values) |
|---|---|---|---|
| FEATURES AND FUNCTIONALITY PARAMETERS OF MICROCONTROLLER EDUCATIONAL KIT | **Name of Microcontroller kit** | 8051 | 8051 |
| | **Onboard study cards included in the scope of supply** | 8279-4 (Keyboard display controller),8259-4(Programmable 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 | NA | * |
| Availabilty of Power supply section | Yes | * |
| Availabilty of Interface section | Yes | * |
| Availabilty of I/O Interface | Yes | * |
| **Availabilty of interfacing present on microcontroller kit** | LED 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 | NA | * |
| **Availabilty 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,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** | 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,NA | * |
| **Number of Onboard switches available** | 4,8,16,32,64,72,NA | 4, 8, 16, 32, 64, 72, NA |
| Availabilty for Onboard | No | * |

|  |  |  |  |
|---|---|---|---|
|  | FRC(Flat ribbon connector) for Bus Extension |  |  |
|  | Availabilty for Onboard DB connector for UART (RS232) interface | No | * |
|  | Operating Frequency in Hertz | 50 | * |
|  | Availabilty of Watchdog timer to automatically reset an embedded device that hangs because of a software or hardware fault | Yes | * |
|  | Availabilty of Digital Temperature sensor | Yes | * |
|  | Availabilty of two pushbuttons for interrupts study | Yes | * |
|  | Indicate the details of Interrupts present in microcontroller kit | NA | * |
|  | Availabilty for Real Time Applications with sensor | Yes | * |
|  | Facility to interface external modules | Yes | * |
|  | Connection Cable used | USB Cable,User Interface Cable,NA | * |
| OPEARTING CONDITION | Minimum Operating tempature for microcontroller kit in degree celsius | -10,-5,0,+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 | Yes, No |
|  | If yes, then indicate the | NA | * |

| | name of the lab | | |
|---|---|---|---|
| | 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 | 23 | * |
| | Supplied with comprehensive user manual | Yes | * |
| | **Warranty of Microcontroller kit** | 1 | 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 | Baijnath Pushkar | 482001,KENDRIYA VIDYALAYA, LEKHA NAGAR, JABALPUR | 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. 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
3. 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.
4. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
5. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

This Bid is also governed by the General Terms and Conditions

## ---Thank You---