

### Bid Document

| Bid Details  |   |
|--|---|
| Bid End Date/Time                                      | 20-07-2020 19:00:00   |
| Bid Opening Date/Time                                  | 20-07-2020 19:30:00   |
| Bid Life Cycle (From Publish Date)                     | 90 (Days)   |
| Bid Offer Validity (From End Date)                     | 30 (Days)   |
| Ministry/State Name                                    | Ministry Of Railways  |
| Department Name  | Na  |
| Organisation Name                                      | N/a   |
| Office Name  | South Central Railway   |
| Total Quantity   | 10  |
| Item Category  | Desktop Computers   |
| Bidder Turnover (Last 3 Years)                         | 1 Lakh (s)  |
| Experience Criteria                                    | 2 Year (s)  |
| MSE Exemption for Years Of Experience and Turnover     | Yes   |
| Startup Exemption for Years Of Experience and Turnover | Yes   |
| Document required from seller                          | Experience Criteria,Past Performance,Bidder Turnover,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. 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.

## Desktop Computers ( 10 pieces )

### Technical Specifications

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

| Specification | Specification Name             | Values             | Bid Requirement (Allowed Values)  |
|---------------|--------------------------------|--------------------|---|
| Processor     | Processor Make                 | Intel              | Intel   |
|               | Processor Generation           | 9                  | 8.0, 9.0 Or higher  |
|               | Number of Cores per Processor  | 4                  | 4, 6, 8 Or higher   |
|               | Processor Base Frequency (GHz) | 3.6                | *   |
|               | Processor Description          | Intel Core i3      | Intel Core i3, Intel Core i5, Intel Core i7, Intel Core i9 Or higher  |
|               | Processor Number               | Intel Core i3 9100 | Intel Core i3 8100, Intel Core i3 8300, Intel Core i5 7400T, Intel Core i5 7500T, Intel Core i5 7400, Intel Core i5 7600T, Intel Core i5 8400T, Intel Core i5 7500, Intel Core i5 8500T, Intel Core i5 7600, Intel Core i5 7600K, Intel Core i5 8400, Intel Core i5 |

|             |                                     |                |  |
|-------------|-------------------------------------|----------------|--|
|             |                                     |                | 8500, Intel Core i5<br>8600, Intel Core i5<br>8600K, Intel Core i7<br>7700T, Intel Core i7<br>7700, Intel Core i7<br>8700T, Intel Core i7<br>7700K, Intel Core i7<br>8700, Intel Core i7<br>8700K, Intel Core i3<br>9100, Intel Core i3<br>9300, Intel Core i3<br>9320, Intel Core i5<br>9400, Intel Core i5<br>9500, Intel Core i5<br>9600, Intel Core i7<br>9700, Intel Core i9<br>9900, Intel Core i7<br>9700K, Intel Core i9<br>9900K, Intel Core i9<br>9900KS, Intel Core i9<br>9900KF, Intel Core i7<br>9700KF, Intel Core i7<br>9700F, Intel Core i7<br>8086K, Intel Core i5<br>9600K, Intel Core i5<br>9600KF, Intel Core i9<br>9900T, Intel Core i5<br>9500F, Intel Core i5<br>9400F, Intel Core i3<br>9350KF, Intel Core i3<br>9350K, Intel Core i7<br>9700T, Intel Core i3<br>8350K, Intel Core i5<br>9600T, Intel Core i5<br>8600T, Intel Core i3<br>9100F, Intel Core i5<br>9500T, Intel Core i5<br>9400T, Intel Core i3<br>9300T, Intel Core i3<br>9100T Or higher |
|             | Out of Band Management              | NA             | *  |
|             | Cache (MB)                          | 6              | *  |
| Motherboard | Chipset Series                      | Intel B Series | Intel H Series, Intel B Series, Intel Q Series Or higher   |
|             | Expansion Slots (PCIe x 1) (Number) | 1              | *  |
|             | Chipset Number                      | Intel B 365    | Intel H110, Intel H270, Intel H310, Intel H370, Intel B250, Intel B360, Intel Q 250, Intel Q 270, Intel Q 370, Intel B 365 Or higher   |

|                  |   |                         |                            |
|------------------|---|-------------------------|----------------------------|
|                  | Expansion Slots (PCIe x 4) (Number)                           | 0                       | *                          |
|                  | Expansion Slots (PCIe x 16) (Number)                          | 1                       | *                          |
|                  | Expansion Slots (PCI) (Number)                                | 1                       | *                          |
|                  | Expansion Slots (M Dot 2)                                     | 2                       | *                          |
| Graphics         | Graphics Type   | Integrated              | *                          |
|                  | Graphic Card Description                                      | -                       | *                          |
|                  | Size of Memory in Case of Dedicated Graphic Card (GB)         | 0                       | *                          |
|                  | Size of VRAM in case of Integrated Graphics (MB)              | -                       | *                          |
| Operating System | <b>Operating System (Factory Pre-Loaded)</b>                  | Windows 10 Professional | Windows 10 Professional    |
|                  | Recovery Image Media  | -                       | *                          |
|                  | OS Certification  | Windows                 | *                          |
| Memory           | Type of RAM   | DDR4                    | *                          |
|                  | <b>RAM Size (GB)</b>  | 4                       | 4, 8, 16, 32, 64 Or higher |
|                  | RAM Speed (MHz)   | 2666                    | *                          |
|                  | Total Numbers of DIMM Slots Available                         | 2                       | *                          |
|                  | Number of DIMM Slots populated                                | 1                       | *                          |
|                  | <b>RAM Expandability up to( using spare DIMM Slots in GB)</b> | 32                      | 32, 64, 128 Or higher      |
| Storage          | Total Number of Internal Bays available                       | 2                       | *                          |
|                  | Number of 2 point 5 inches internal Bays                      | 1                       | *                          |
|                  | Number of 3 point 5 inches Internal Bays                      | 1                       | *                          |
|                  | Number of 2 point 5 Inches Internal Bays Populated            | 0                       | *                          |
|                  | Number of 3 point 5 Inches Internal Bays Populated            | 1                       | *                          |
|                  | <b>Type of Drives used</b>                                    | HDD                     | HDD                        |

|              |   |  |  |
|--------------|---|--|--|
|              | <b>to populate the Internal Bays</b>                      |  |  |
|              | Number of Internal Bays populated with HDD                | 1  | *  |
|              | Capacity of each HDD (GB)                                 | 1000 @7200 rpm                               | *  |
|              | <b>Total HDD Capacity (GB)</b>                            | 1000   | 1000, 1500, 2000, 2500, 3000 Or higher           |
|              | Number of Internal Bays populated with SSD                | 0  | *  |
|              | Capacity of each SSD (GB)                                 | 0  | *  |
|              | <b>Total SSD Capacity (GB)</b>                            | 0  | 128, 256, 384, 512, 768, 0, 1024, 2048 Or higher |
|              | Number of Internal Bays populated with SSHD               | 0  | *  |
|              | Capacity of each SSHD (GB)                                | NA   | *  |
|              | <b>Total SSHD Capacity in addition to 8 GB Flash (GB)</b> | 0  | 500, 1000, 2000, 0 Or higher                     |
|              | Optane Memory (GB)  | 0  | *  |
| Cabinet      | <b>Cabinet Form Factor</b>                                | Tower (13.1 to 26 Litres)                    | Tower (13.1 to 26 Litres)                        |
|              | Cabinet Volume (Litres)                                   | -  | *  |
|              | External Bays (Number)                                    | 1  | *  |
|              | Optical Drive   | N/A  | *  |
|              | Internal Speaker  | Yes  | *  |
|              | Audio-in  | Yes  | *  |
|              | Audio-out   | Yes  | *  |
|              | Headphone out   | Yes  | *  |
|              | Microphone-in   | Yes  | *  |
| Connectivity | Wireless Connectivity                                     | No   | *  |
|              | If Yes, Type of Wireless Connectivity                     | NA   | *  |
|              | Number of Ethernet Ports                                  | 1  | *  |
|              | Type of Ethernet Ports                                    | 10/100/1000 on board Integrated Gigabit Port | *  |

|         |  |            |  |
|---------|--|------------|--|
| Ports   | Bluetooth Connectivity                                   | No         | *  |
|         | If Yes, Version of Bluetooth Available                   | 0          | *  |
|         | Number of USB Version 2 Point 0 Ports                    | 4          | *  |
|         | Number of USB Version 3 point 0 / 3 point 1, Gen 1 Ports | 4          | *  |
|         | Number of USB Version 3 point 1, Gen 2 Ports             | 0          | *  |
|         | Number of USB Type C Ports                               | 0          | *  |
|         | Number of Serial Ports                                   | 0          | *  |
|         | Number of Parallel Ports                                 | 0          | *  |
|         | Number of VGA Ports                                      | 1          | *  |
|         | Number of HDMI Ports                                     | 1          | *  |
|         | Number of DP Ports                                       | 0          | *  |
| Monitor | Model of the Monitor                                     | -          | *  |
|         | <b>Monitor Technology</b>                                | TN         | IPS, TN, VA Or higher  |
|         | <b>LED Backlit Monitor Size (INCHES)</b>                 | 19.5       | 19.5, 21.5, 22, 23, 24, 27, 20, 23.8 Or higher   |
|         | <b>Monitor Resolution (PIXELS)</b>                       | 1600 x 900 | 1600 x 900, 1920x1080, 1920 x 1200, 3200x1800, 3840 x 2160, 1280 x 1024, 2560 x 1440 Or higher |
|         | TCO Certification for Monitor                            | -          | *  |
|         | Number of VGA Ports in the Monitor                       | 1          | *  |
|         | Number of HDMI Ports in the Monitor                      | 1          | *  |
|         | Number of Display Ports in the Monitor                   | 0          | *  |
|         | Availability of Webcam integrated with Monitor           | No         | *  |
|         | If Yes, Resolution of Webcam                             | NA         | *  |
| Power   | Availability of Speakers integrated with Monitor         | No         | *  |
|         | If Yes, Number of Speakers available                     | 0          | *  |
|         | Power Supply Capacity                                    | -          | *  |

|                      |                                       |                |                   |
|----------------------|---------------------------------------|----------------|-------------------|
|                      | (Watt)                                |                |                   |
|                      | Minimum Power Efficiency Range (%)    | 90 - 94        | *                 |
| Certification        | ROHS Compliance                       | Yes            | *                 |
|                      | BEE / Energy Star for the given Model | Yes            | *                 |
| Input Devices        | Mouse Connectivity                    | Wired          | *                 |
|                      | Type of Mouse                         | Optical Scroll | *                 |
|                      | Keyboard Connectivity                 | Wired          | *                 |
|                      | Type of Keyboard                      | Standard       | *                 |
| Operating Conditions | Minimum Operating Temperature         | 5              | *                 |
|                      | Maximum Operating Temperature         | 35             | *                 |
|                      | Minimum Operating Humidity (%RH)      | 5              | *                 |
|                      | Maximum Operating Humidity (%RH)      | 90             | *                 |
| Warranty             | <b>On Site OEM Warranty (Year)</b>    | 3              | 3, 5, 4 Or higher |

\* 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     | Hemraj Meena                | 520001,O/o DRM/BZA DRM Office Compound, South Central Railway, Vijayawada - 520001 | 10       | 30            |

### Special terms and conditions for category Desktop Computers

- As per notification of MEITY circulated vide letter no. F.No.33(1)/2017-IPHW..dated :14/09/2017, the minimum local content should be 45.percent to qualify as local or domestic manufacturer.\n\nSeller has to ensure that operating system software etc comes preloaded with machine from respective OEM . Any deviation in respect of genuinity and authenticity of OS will attract severe penalty on part of seller as law of the land and contractual provisions. Buyer are also requested to verify the key no of OS etc with server of Microsoft/Linux before accepting machines to avoid complexity at latter stage.

### Bid Specific Additional Terms and Conditions

1. **Upload Manufacturer authorization:** Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.
2. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
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.
6. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
7. ISO 9001: The bidder must have ISO 9001 certification.
8. Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.
9. The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.
10. 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 3 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---**