

| 322- Corrigendum-1                                   |                                                       |                                                                                                  |                                                                                                                                            |
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| Tender No - : CDACP/NSM-DC-IIT-GANDHINAGAR/20-21/322 |                                                       |                                                                                                  |                                                                                                                                            |
| Sr. No                                               | Reference                                             | Tender Description                                                                               | Corrigendum                                                                                                                                |
| <b>A</b>                                             |                                                       | <b>Tender Schedule</b>                                                                           |                                                                                                                                            |
| <b>1</b>                                             | Last date of submission of bids                       | March 12, 2021 – 1500 hrs.                                                                       | <b>March 22, 2021 – 1500 hrs.</b>                                                                                                          |
| <b>2</b>                                             | Date of opening of Technical bids                     | March 12, 2021 – 1600 hrs.                                                                       | March 22, 2021 – 1600 hrs.                                                                                                                 |
| <b>B</b>                                             |                                                       | <b>Commercials</b>                                                                               |                                                                                                                                            |
| <b>1</b>                                             | Section II-<br>Page 7,<br>Eligibility<br>Criteria 3.6 | Bidder should have a minimum turnover of Rs. 5.0 Crs for each of the last three financial years. | Bidder should have minimum annual average turnover of Rs. 5 Crs for the last three financial years (Total minimum 15Cr. For last 3 years). |

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| 2 | <p><b>Section II-<br/>Page 7,<br/>Eligibility<br/>Criteria 3.3</b></p> | <p>3.3 The bidder must have successfully executed at End client sites/ End User at least 2 numbers of data centres in India in last five years. Each of the data centres should be with minimum of UPS feeding power of 200 KVA IT (excluding redundancy provided) and minimum feeding cooling load of 55 Tons (excluding redundancy provided) for each datacenter site. The value of each such order should not be less than Rs. 2 Cr. alongwith Fire-fighting and suppression systems, UPS and Battery etc. with high end integration of building management system and all the allied works required for successful installation &amp; completion of the Data Centre. This order should be on the name of bidder issued by the end client / End User.</p> | <p>3.3 The bidder must have successfully executed at End client sites/ End User at least 2 numbers of data centres in India in last five years. Each of the data centres should be with minimum of UPS feeding power of 200 KVA IT (excluding redundancy provided) and minimum feeding cooling load of 55 Tons (excluding redundancy provided) <b>(UPS and cooling to be considered only for server area)</b> for each datacenter site. The value of each such order should not be less than Rs. 2 Cr. alongwith Fire- fighting and suppression systems, UPS and Battery etc. with high end integration of building management system and all the allied works required for successful installation &amp; completion of the Data Centre. This order should be on the name of bidder issued by the end client / End User.</p> <p>Or</p> <p>3.3 The bidder must have successfully executed at end client sites <b>at least 1</b> numbers of data centres in India in last five years. Each of the data centres should be with minimum of UPS feeding power of 450 KVA (excluding redundancy) and minimum feeding cooling load of 120 Tons (excluding redundancy) <b>(UPS and cooling to be considered only for server area)</b> along with Fire- fighting and suppression systems with high end integration of building management system and all the allied works required for successful installation &amp; completion of the Data Centre. This order should be on the name of bidder issued by the end client.</p> |
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| <b>3</b> | <b>Page no 80<br/>Annexure H<br/>Point No 1</b> | ANNEXURE H – SERVICE LEVEL AGREEMENT (SLA) Scope of Work for Operation and Maintenance<br>Scope of this SLA covers the satisfactory Operations of DC, Maintenance, warranty and support, as stipulated in the Tender, Works Order, for a period of two years from the date of successful installation and commissioning of the Data Centre. | ANNEXURE H – SERVICE LEVEL AGREEMENT (SLA) Scope of Work for Operation and Maintenance<br>Scope of this SLA covers the satisfactory Operations of DC <b>24 X 7</b> , Maintenance, warranty and support, as stipulated in the Tender, Works Order, for a period of two years from the date of successful installation and commissioning of the Data Centre. One minimum 5 years experienced technician with experience in the field of O & M for Electrical and cooling equipment's per shift and one Diploma Engineer with minimum 5 year of technical + administration experience needs to be deployed. |
| <b>C</b> |                                                 | <b>Technical Specifications / Features</b>                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>1</b> | Data Center Layout Drawing                      | Data Center Layout – Drawing<br><b>Modified /added</b>                                                                                                                                                                                                                                                                                      | Following components are added /modified<br><br>1. Location of Gas Suppression Cylinder<br><br>2. Addition of one more fire Door at the place of an existing wooden door. Removal of existing wooden door is in the scope of Bidder.                                                                                                                                                                                                                                                                                                                                                                     |

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| 2 | Section IV,<br>Page No 33,<br>Clause No<br>7.4.5 | <p>Condenser shall be air-cooled type, suitable for outdoor installation, and shall be suitable for operating at high ambient of 45 deg C db and at low ambient of up to 0 deg C db temperatures. Condenser shall be in copper tube &amp; aluminum fins construction. Condenser coil shall be of maximum 4 rows deep and the fin spacing shall not exceed 2.1 mm. The condenser fan/s shall be of EC axial type with max 1000 RPM variable voltage electric motor complete with IP-54 protection. Motor shall be speed controlled to ensure a stable operation for varying ambient; by a factory fitted direct acting head pressure activated stepless variable speed drive. The condenser shall be complete with provisions for refrigerant piping connections, shut off valves and any other standard accessories necessary with the equipment supplied. Each Circuit to have its independent set of condenser coil.. The condenser should be equipped with fan speed controller for the speed variation based on the condensing temperature &amp; the speed variation should be steeples. Location of condenser unit will be at third floor terrace and Data Center location will be at first floor, Bidder to calculate the length of piping.</p> | <p>Condenser shall be air-cooled type, suitable for outdoor installation and shall be suitable for operating at high ambient of 45 deg C db and at low ambient of upto 0 deg C db temperatures. Condenser shall be in copper tube &amp; aluminum fins construction. Condenser coil shall be of maximum 4 rows deep and the fin spacing shall not exceed 2.1 mm. The condenser fan/s shall be of <b>AC axial type</b> with max 1000 RPM variable voltage electric motor complete with IP-54 protection. Motor shall be speed controlled to ensure a stable operation for varying ambient; by a factory fitted direct acting head pressure activated stepless variable speed drive. The condenser shall be complete with provisions for refrigerant piping connections, shut off valves and any other standard accessories necessary with the equipment supplied. Each Circuit to have its independent set of condenser coil.. The condenser should be equipped with fan speed controller for the speed variation based on the condensing temperature &amp; the speed variation should be steeples. Location of condenser unit will be at <b>terrace floor</b> and Data Center location will be at <b>ground floor</b>, Bidder to calculate the length of piping.</p> |
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| 3 | Section IV,<br>Page No 37, Clause No 7.18     | Air Separators: Air separator working on basic centrifugal force and low velocity flow, complete with 14" diameter inlet and outlet connections, high capacity float type air vent, pressure reducing valve, cold water fill connection, drain valve, flanged connections etc. The air separator shall be suitable for 2400 USGPM water flow. The pressure rating shall be 16 Kg/cm2. | Air Separators: Air separator working on basic centrifugal force and low velocity flow, complete with <b>required</b> diameter inlet and outlet connections, high capacity float type air vent, pressure reducing valve, cold water fill connection, drain valve, flanged connections etc. The air separator shall be suitable for <b>required</b> water flow. |
| 4 | Section IV,<br>Page No 28 ,New Clause No 5.18 | <b>New Clause</b>                                                                                                                                                                                                                                                                                                                                                                     | <b>New Clause No 5.18</b> - For BMS room 150 sq ft area will be provided. IIT Gandhinagar will complete the room with aluminum partition along with door, necessary lighting and cooling arrangement.<br><br>Bidder to consider <b>chair and computer table</b> for BMS person and IT engineers ( 4 computer tables and 4 revolving chairs with handles).      |
| 5 | Section IV,<br>Page No 28 ,New Clause No 5.19 | <b>New Clause</b>                                                                                                                                                                                                                                                                                                                                                                     | <b>New Clause No 5.19</b> In proposed server room, Panel, UPS and Battery room existing false ceiling, light fixture, lighting DBs, cooling duct, chilled water pipe line are installed and in operating condition. IIT Gandhinagar will remove the same and will handover the clear area.                                                                     |
| 6 | Section IV,<br>Page No 22 ,New Clause No 2.7  | Electrical power during the construction of the datacenter will be provided free of cost. Any special treated water required for the construction of datacenter will be in the scope of bidder. Client shall not provide any accommodation for the contractor and his staff including labour.                                                                                         | Electrical power and water during the construction / pipe line flushing of the datacenter will be provided free of cost. Any special treated water required during data center commissioning will be in the scope of Bidder. CDAC/IIT Gandhinagr shall not provide any accommodation for the contractor and his staff including labour.                        |
| 7 | Section IV,<br>Page No 46 , Clause No 5.4     | Supply, Installation, Testing and Commissioning of VESDA system with aspiration detectors, nozzles, capillary tubes etc.                                                                                                                                                                                                                                                              | Supply, Installation, Testing and Commissioning of VESDA system with aspiration detectors, nozzles, capillary tubes etc. Vesda system needs to be considered in Server Room, Panel ,UPS and Battery Room                                                                                                                                                       |
| 8 | Section IV,<br>Page No 46 , Clause No 5.5     | Supply, Installation, Testing and Commissioning of Rodent Repellant System                                                                                                                                                                                                                                                                                                            | Supply, Installation, Testing and Commissioning of Rodent Repellant System. Rodent repellant system needs to be considered in Server Room, Panel, UPS and Battery Room                                                                                                                                                                                         |

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| 9 | Section IV,<br>Page No 46 ,<br>Clause No 5.6 | Supply, Installation, Testing and<br>Commissioning of Water Leak<br>System | Supply, Installation, Testing and<br>Commissioning of Water Leak System.<br>Water Leak Detection system needs to<br>be considered in Server Room, Panel,<br>UPS and Battery Room |
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