CORRIGENDUM – 1

Name of Work: Request for Proposal for ICCC PROJECT (ICCC, Data Centre, OFC, ITMS etc.) Under SMART CITY MISSION (SCM) in Bhagalpur, Bihar.

NIT No.: BSCL/ICCC/2020/25

This is with reference to above tender which has been published in various newspapers and releases of the same notice on https://www.eproc.bihar.gov.in and http://www.smartcitybhagalpur.org.

The response to the prebid queries is uploaded on https://www.eproc.bihar.gov.in and http://www.smartcitybhagalpur.org with this corrigendum.

The other terms and conditions mentioned in RFP and NIT no. BSCL/ICCC/2019/16 remains the same.

It has to be further noted that the tender schedule is being revised as below:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Activity</th>
<th>Existing Schedule Date and Time</th>
<th>Revised Schedule Date and Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Online Sale / Download date and time of tender documents/RFP. <a href="https://www.eproc.bihar.gov.in">https://www.eproc.bihar.gov.in</a></td>
<td>From 03/03/2020 to 24/03/2020 (up to 23:00 hrs.)</td>
<td>From 03/03/2020 to 15/04/2020 (up to 23:00 hrs.)</td>
</tr>
<tr>
<td>4.</td>
<td>Last date and time for online uploading the tender. <a href="https://www.eproc.bihar.gov.in">https://www.eproc.bihar.gov.in</a></td>
<td>24/03/2020 up to 23:50 hrs.</td>
<td>15/04/2020 up to 23:50 hrs.</td>
</tr>
<tr>
<td>5.</td>
<td>Submission of hard copy of documents mentioned in RFP. Address: Chief Executive Officer, Bhagalpur Smart City Limited, Swami Vivekanand Path, Near Ghuran Peer Baba Chowk, Bhagalpur – 812001.</td>
<td>25/03/2020 up to 16:00 hrs.</td>
<td>16/04/2020 up to 16:00 hrs.</td>
</tr>
</tbody>
</table>

Note: NIT, RFP, Corrigendum, etc. will be also available on the company website http://www.smartcitybhagalpur.org for reference purposes only.

Chief Executive Officer,
Bhagalpur Smart City Limited.
Request for Proposal for ICCC PROJECT (ICCC, Data Centre, OPC, HMS etc.) Under SMART CITY MISSION (SCM) in Bhagalpur, Bihar.

We request you to amend the clause as below,

5.4.3 Multi Utility GIS Based Property Survey Base Map updation and GIS Integration with Property Tax

During the Property Survey the consultant shall collect all the basic information required for property taxation and its related facts like use of various municipal services, water connection, sewer connection etc.

It is understood that Authentication of the surveyed data is the responsibility of BSCL. Please confirm.

Authentication of the surveyed data is the responsibility of MSI. Authority will approve the authentication of the data.

We request you to amend the clause as below,

12.1 Authority shall make payments to MSI at the times and in the manner set out in the Payment schedule as specified Payment Milestones in RFP Volume II subject to the penalties as mentioned under Clause 43 of Section C– Service Levels of Volume 3. Authority shall make all efforts to make payments to MSI within 60 days of receipt of invoice(s) and all necessary supporting documents.

Authority shall make all efforts to make payments to MSI within 45 days of before receipt of invoice(s) and all necessary supporting documents.

ANNEXURE 4 – FORMATS FOR SUBMISSION OF THE COMMERCIAL BID

We understand that Commercial evaluation for QCBS shall be inclusive of GST. Please confirm.

Yes

We request you to modify payments as below:-

Capex (80%)

1. Requirement study and on delivery SRS/HDD (T0 + 3 months = T1) = 20% of Capex value
2. Phase I: Go Live (T1 + 5 months = T2) = 20% of Capex value
3. Phase II: Go Live (T2 + 2 months T3) = 20% of Capex value
4. Phase III: Go Live (T3 + 2 months T4) = 20% of Capex value
5. Phase IV: Integration & Project Final Go-Live (T4 + 3 months = T5) = Payment: 20% of capex value plus any balance remaining for the previous phases restricted to complete integration
6. Project Operations & Maintenance phase for a period of 60 months from the date of Final Go-Live (T6 = 60 Months) + OPEX = will be paid in twenty (20) equal quarterly instalments spread across 5 years Post Final Go-Live

Note: 2. If successful bidder requests for Mobilization advance, following conditions shall be applicable:

a. Mobilization advance can be maximum of 10% of Capex value
b. Mobilization advance shall be interest bearing @ 12% and released only after receipt of Bank Guarantee of 110% of the requested amount.

c. Mobilization advance shall be adjusted proportionately among all Phases Payment Release.

Note: 2. If successful bidder requests for Mobilization advance, following conditions shall be applicable:

a. Mobilization advance can be maximum of 10% of Capex value
b. An interest free Mobilization advance shall be reimbursed in full if and only if released only after receipt of Bank Guarantee of 110% of the requested amount.
c. Mobilization advance shall be adjusted in phase V payment.

RFP Volume II, 5.1. Integrated Command & Control Centre (ICCC)

5.1.2. Functional & Technical Requirements for ICCP Platform

1. ICCP Operation, in. The solution should provide operators and managers with a management dashboard that provides a real-time status and is automatically updated when certain actions, incidents and resources have been assigned, pending, acknowledged, dispatched, implemented, and completed with clear identification code.

Please provide total number of ICCCP operators ?

TOTAL 90 OPERATORS

1st Shift - 30
2nd Shift - 30
Night Shift - 20
Relievers - 10

As mentioned, RF & Wireless NMS is not required

RF Volume II - under Bill of Materials, Page no 421  ”IR IS Recognition Camera” is treated as IR Recognition Camera and IR Recognition based Administration Software

Slo should provide fault & performance management and monitor IP/SSMIP enabled devices like Routers, Switches. Proposed Network Management shall also help monitor key KPI metrics like availability, in order to measure SLA’s. Bidder is supposed to proposed IP based NMS only. NMS features for RF & Wireless are not required

RF Volume - II

We are not able to find any technical specification in tend, thus requesting you please help us to understand what is IR IS Recognition Camera. Also help to provide technical specification for IR IS Recognition Camera.

Solution should provide fault & performance management and monitor IP/SSMIP enabled devices like Routers, Switches. Proposed Network Management shall also help monitor key KPI metrics like availability, in order to measure SLA’s. Bidder is supposed to proposed IP based NMS only. The NMS should be compatible with wired, wireless and RF

Page 1 of 9
22. Force Majure

As on date of submission of the proposal, all members of the consortium as applicable (including the lead bidder/ member companies) shall not be blacklisted / debar by any State / Central Government Department or Central PSU/Multilateral Funding Agency.

As on date of submission of the proposal, the Bidder (all members of the consortium) shall not be blacklisted / debar by any State / Central Government Department or Central PSU/Multilateral Funding Agency.

To include vandalism and terrorism as Force Majure.

To include vandalism and terrorism as Force Majure.

5.2.1.2 Functional & Technical Requirements for Internet Router

8.2 L2VPN

L2VPN/ Equivalent

L2VPN or Equivalent to L2VPN

5.2.1.3 Functional & Technical Requirements for Data Centre Firewall

The firewall should have option for URL Filtering 90+ categories and Cloud sandboxing for malware analysis if required with License upgrade.

The firewall should have option for URL Filtering of 260 million in more than 80 categories and Cloud sandboxing for malware analysis if required with License upgrade.

The firewall should have option for URL Filtering 90+ categories and Cloud sandboxing for malware analysis if required with License upgrade.

5.2.1.13 Functional & Technical Requirements for Blade Chassis

Chassis management capabilities 1. Solution should support redundant physical management appliances within/ outside the enclosure with failover and high-availability.

Solution should support redundant management appliance / solution within/ outside the enclosure with failover and high-availability.

Solution should support redundant management appliance and solution within/ outside the enclosure with failover and high-availability.

5.2.1.14 Functional & Technical Requirements for Storage

Capacity

Offered SAN shall be configured for minimum 200 TB or more usable Storage on converged solution in RAID 6 & 3.8 PB usable video storage with 7.2K RPM NL-SAS/10K RPM SAS/SSD hot swappable HDD.

Offered SAN shall be configured for minimum 200 TB or more usable Storage using SSD/SAS 10K Drives in RAID 5 & 3.8 PB usable video storage with 7.2K RPM NL-SAS/10K RPM SAS/SSD hot swappable HDD.

Offered SAN shall be configured for minimum 200 TB or more usable Storage using SSD/SAS 10K Drives in RAID 5 & 3.8 PB usable video storage with 7.2K RPM NL-SAS/10K RPM SAS/SSD hot swappable HDD.

RAID levels

The storage should support 0.1, 5, 6 and 10 RAID levels. Offered Storage Array shall support distributed Global hot Spare for offered Disk drives and shall be configure as per industry practice.

The storage should support 0.1, 5, 6 and 10 RAID levels. Offered Storage Array shall support hot Spare for offered Disk drives and shall be configure as per industry practice.

The storage should support 0.1, 5, 6 and 10 or better RAID levels. Offered Storage Array shall support hot Spare for offered Disk drives and shall be configure as per industry practice.

305 Volume II: 5.8

A typical network Architecture

Figure 5: Design of Distribution and Access Network

There is a misprint/ Disparity of network diagram on Page 305. Figure 5. Since a better network architecture is well defined on Page No. 20 of the RFP. Request you to delete the Page 305 Fig 5. To avoid any further Confusion.

The network diagram on Page 304. Figure 5 is only elaborate the network diagram for reference purpose. The diagram on page no. 20 is the logical architecture of smart city wide network.

200 Page 205 of 304

Volume II: Scope of Work

6.3.2.1 Functional & Technical Requirements for DC Core Switches

Should have 48 nos. of 1000 Base-T Ports Copper (RJ-45)

Requesting the clarity “ Is it additional requirement or incorporated with Sl.2.2 statement, to avoid over sizing.

This is not consider as Sl. 2.2. Its is aditional requirement.

142 Page 205 of 304

Volume II: Scope of Work

6.3.2.1 Functional & Technical Requirements for Aggregation Switches

The switch should have at least 24 fixed Gigabit SFP+ ports from day 1 and scalable up to 48nos 1G /10G SFP+ ports. Switch shall have mini 4 x QSFP+ ports

Requesting the clarity - 4xQSFP+ ports is required from day-1 or Switch should support in future.

From Day One.

22 Page 49 of 504

Volume II: Scope of Work

6.9. Handholding and Training

We are assuming, tender authority will provide training infrastructure like training room, projector, table, chairs etc. Please confirm

Approx number of users to train?
<table>
<thead>
<tr>
<th>SL No</th>
<th>RFP Page No.</th>
<th>RFP Reference</th>
<th>Description in RFP</th>
<th>Query / Suggestion by the Company</th>
<th>Revised/New/Amendment in the Clause</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>Volume 4: Scope of Work Page 235 of 504 3.6.4. Document Digitization</td>
<td>Document Digitization</td>
<td>Does the bidder have to do digitization of data for the solution? If so, please mention the number of documents to be digitized? Scanning documents will be out of scope. Please confirm.</td>
<td>Scanning and Digitization is the scope under MSI.</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>301 Volume 2.7.3.3.1</td>
<td>SL No (21) Edge Video Content Analytics - Camera should have in-built Edge Based Analytics Like - Abandoned Object, Intrusion Detection, Tampering, Line Crossing, Object Removal and many more similar analytics.</td>
<td>Request you to change clause/amendment: Edge based Video Content Analytics –Camera should have in-built Edge Based Analytics: Like - Abandoned Object, Intrusion Detection, Tampering, Line Crossing, Object Removal and many more similar analytics because in Box camera, longitude &amp; latitude is not fixed so it does not work properly. So it is advised to used edge based analytics.</td>
<td>SL No (21) Edge Video Content Analytics –Camera should have in-built Server based video analytics or Edge Based Analytics: Like - Abandoned Object, Intrusion Detection, Tampering, Line Crossing, Object Removal and many more similar analytics.</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>304 Volume 2.7.3.3.3</td>
<td>SL No (19) Edge Video Content Analytics – Camera should have in-built Edge Based Analytics: Like - Abandoned Object, Intrusion Detection, Tampering, Line Crossing, Object Removal and many more similar analytics.</td>
<td>Request you to change clause/amendment: Edge based Video Content Analytics –Camera should have in-built Edge Based Analytics: Like - Abandoned Object, Intrusion Detection, Tampering, Line Crossing, Object Removal and many more similar analytics. Because in PTZ edge based analytics does not support due to continuous rotation &amp; changes in field of view.</td>
<td>SL No (19) Edge Video Content Analytics –Camera should have in-built Server based video analytics or Edge Based Analytics: Like - Abandoned Object, Intrusion Detection, Tampering, Line Crossing, Object Removal and many more similar analytics.</td>
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</tr>
<tr>
<td>26</td>
<td>88</td>
<td>3.1.4. Functional &amp; Technical Requirements for Video Display Wall</td>
<td>Screen to Screen Gap: Less than 0.5mm Gap between 2 screens</td>
<td>For large video wall setup gap between the screen is 0.6mm around. Request you to amend the screen to screen gap: Less than 0.5mm Gap between 2 screens</td>
<td>Screen to Screen Gap: Less than 0.5mm Gap between 2 screens</td>
</tr>
<tr>
<td>27</td>
<td>133</td>
<td>Request for Proposal for ICC Centre, OFCC, ITMS etc.</td>
<td>Blade Chassis: 2. Should support full height and half height blade in the same enclosure, occupying a min of 10U rack height</td>
<td>Blade Chassis: 2. Should support full height and half height blade in the same enclosure, occupying a min of 7U rack height</td>
<td>Blade Chassis: 2. Should support full height and half height blade in the same enclosure, occupying a min of 10U rack height or less height.</td>
</tr>
<tr>
<td>28</td>
<td>90</td>
<td>Volume 2: section 5.1.6</td>
<td>Monitor: Three Monitors of 24&quot; Curved TFT LED, with minimum 1920x1080 resolution, minimum input of 1x1DP, 1x1 HDMI, Energy star 5.0/BEE star certified</td>
<td>Three Monitors of 24&quot; TFT LED, with minimum 1920x1080 resolution, minimum input of 1x1DP, 1x1 HDMI, Energy star 5.0/BEE star certified</td>
<td>Monitor: Three Monitors of 24&quot; TFT LED, with minimum 1920x1080 resolution, minimum input of 1x1DP, 1x1 HDMI, Energy star 5.0/BEE star certified</td>
</tr>
<tr>
<td>29</td>
<td>136</td>
<td>Volume 2 / section 5.2.1.15.1 Controllers</td>
<td>Dual active controller with automated I/O path failover. Controllers must be offered which shall be true active-active so that a single logical unit can be shared across all offered controllers in symmetrical, fashion, while supporting all the major functionalities like Thin Provisioning, Data Tiering etc.</td>
<td>Dual active controller with automated I/O path failover. Controllers must be offered which shall be true active-active so that a single logical unit can be shared across all offered controllers in symmetrical / asymmetrical fashion, while supporting all the major functionalities like Thin Provisioning, Data Tiering etc.</td>
<td>Dual active controller with automated I/O path failover. Controllers must be offered which shall be true active-active so that a single logical unit can be shared across all offered controllers in symmetrical / asymmetrical fashion, while supporting all the major functionalities like Thin Provisioning, Data Tiering etc.</td>
</tr>
<tr>
<td>30</td>
<td>138</td>
<td>5.2.1.16. Functional &amp; Technical Requirements for Back up Application Point No 5</td>
<td>The proposed email archival solution should support multi-tenancy. It should have encryption and Single Instance Storage capabilities. Email archival solution should be available as soft appliance and should be capable of getting deployed at cloud such as AWS.</td>
<td>The proposed Backup solution should support multi-tenancy. It should have encryption and Deduplication capabilities. Backup Software should be available as soft appliance and should be capable of getting deployed at cloud such as AWS.</td>
<td>The proposed Backup solution should support multi-tenancy. It should have encryption and Deduplication capabilities. Backup Software should be available as soft appliance and should be capable of getting deployed at cloud such as AWS.</td>
</tr>
<tr>
<td>31</td>
<td>138</td>
<td>5.2.1.16. Functional &amp; Technical Requirements for Back up Application Point No 5</td>
<td>Proposed email archival solution should support Microsoft Exchange, MS Office 365, IBM Lotus, Google mail and others. Email archival solution should provide access to all message ever sent or received through a web interface or Outlook plugin.</td>
<td>Proposed email archival solution should support Microsoft Exchange, MS Office 365, IBM Lotus, Google mail and others. Email archival solution should provide access to all message ever sent or received through a web interface or Outlook plugin.</td>
<td>Proposed email archival solution should support Microsoft Exchange, MS Office 365, IBM Lotus, Google mail and others. Email archival solution should provide access to all message ever sent or received through a web interface or Outlook plugin.</td>
</tr>
<tr>
<td>32</td>
<td>138</td>
<td>5.2.1.16. Functional &amp; Technical Requirements for Back up Application Point No 9</td>
<td>The software should be able to create Standby server on virtualized systems (VMWare/Hyper-V Server/EC2) and should monitor the heartbeat of the source to enable recovery during production server failure.</td>
<td>The software should be able to create Standby server on Virtualized systems (VMWare/Hyper-V Server/EC2)</td>
<td>The software should be able to create Standby server on virtualized systems (VMWare/Hyper-V Server/EC2).</td>
</tr>
<tr>
<td>33</td>
<td>139</td>
<td>5.2.1.16. Functional &amp; Technical Requirements for Back up Application Point No 18</td>
<td>The proposed solution should provide push button switch/failover capability.</td>
<td>The proposed solution should provide switch/failover capability.</td>
<td>The proposed solution should provide switch/failover capability.</td>
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<td>Sl No.</td>
<td>RFP Page No.</td>
<td>RFP Reference</td>
<td>Description in RFP</td>
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<tr>
<td>34</td>
<td></td>
<td>5.2.1.16</td>
<td>The replication software should provide capability of full system replication and should provide assured recovery mechanism for non-disruptive DR testing.</td>
<td>The replication software should provide capability of full system backup in quick and easy way and should provide assured recovery mechanism for non-disruptive DR testing.</td>
<td>The backup / replication software should provide capability of full system backup / replication. Windows-based systems quick and easy and should provide assured recovery mechanism for non-disruptive DR testing.</td>
</tr>
<tr>
<td>35</td>
<td>Page 182</td>
<td>Volume 2/Section 5.2.2.9</td>
<td>Packet inspection solution and SIEM must integrate with each other, however they should be from different OEM. Packet inspection is preferred from specialised product vendor in this field and not just an integrated solution of SIEM vendor.</td>
<td>Packet inspection solution and SIEM must integrate with each other, however they should be from different OEM. In this case the Switch is preferred from specialised product vendor in this field and not just an integrated solution of SIEM vendor.</td>
<td>Packet inspection solution and SIEM must integrate with each other, however they should be from different / same OEM. Packet inspection is preferred from specialised product vendor in this field and not just an integrated solution of SIEM vendor.</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Volume II 5.2.1.2</td>
<td>Shall have to support up to 15 Mpps packet forwarding rate</td>
<td>Shall have to support up to 40 Mpps packet forwarding rate</td>
<td>Shall have to support more than 15 Mpps packet forwarding rate.</td>
</tr>
<tr>
<td>37</td>
<td></td>
<td>Volume-IL 5.2.1.10</td>
<td>The Switch should have 9 MB packet buffer size</td>
<td>Every OEM will design solution as per their OWN architecture.</td>
<td>The Switch should have 8 MB or more packet buffer size.</td>
</tr>
<tr>
<td>38</td>
<td></td>
<td>Volume-IL 5.2.1.10</td>
<td>The Switch should support IEEE 802.3ad Link Aggregation of up to 128 groups of 32 ports and support for LACP, LACP Local Forwarding First, and LACP Short-time provides a fast, resilient environment that is ideal for the data center.</td>
<td>This is quite strange requirement nobody will use 128 Groups for LACP and if ever use then solution will be OEM specific. Already 40/100 Gbps of Switch connectivity is asked. Kindly dilute this feature.</td>
<td>The Switch should support IEEE 802.3ad Link Aggregation of 8 or more groups of 8 or more ports and support for LACP/LACP Local Forwarding First/LACP Short-time provides a fast, resilient environment that is ideal for the data center.</td>
</tr>
<tr>
<td>39</td>
<td></td>
<td>Volume-IL 5.2.1.10</td>
<td>The Switch should support static routes, RIP and RIPv2, OSPF, BGP, and IS-IS</td>
<td>Please note that Based on functional requirement BGP/ISIS is asked at most of the parameters.</td>
<td>The Switch should support static routes, RIP and RIPv2, OSPF, BGP/ISIS.</td>
</tr>
<tr>
<td>40</td>
<td></td>
<td>Volume-IL 5.2.1.10</td>
<td>The Switch should support intermediate system to Intermediate system (IS-IS)</td>
<td>Please note that Based on functional requirement BGP/ISIS is asked at most of the parameters.</td>
<td>BGP/ISIS</td>
</tr>
<tr>
<td>41</td>
<td></td>
<td>Volume-IL 5.2.1.10</td>
<td>The Switch should allow IPv6 packets to traverse IPv4-only networks by encapsulating the IPv6 packet into a standard IPv4 packet; supports manually configured, 6to4, and Intra-Site Automatic Tunnel Addressing Protocol (ISATAP) tunnels; is an important element for the transition from IPv4 to IPv6.</td>
<td>This ISATP is specific to single OEM Kindly dilute this standard functionality</td>
<td>The Switch should allow IPv6 packets to traverse IPv4-only networks by encapsulating the IPv6 packet into a standard IPv4 packet.</td>
</tr>
<tr>
<td>42</td>
<td></td>
<td>Volume-IL 5.2.1.10</td>
<td>The Switch should allow the separation of data (packet forwarding) and control (routing decision) paths, to be controlled by an external SDN Controller, utilizing Open flow protocol.</td>
<td>Most of the vendors do automation within switches. So kindly don't this as internal/external.</td>
<td>The Switch should allow the separation of data (packet forwarding) and control (routing decision) paths, to be controlled by an internal/external SDN Controller, utilizing Open flow protocol.</td>
</tr>
<tr>
<td>43</td>
<td></td>
<td>Volume-IL 5.2.1.17</td>
<td>The Switch should have 12 MB packet buffer size</td>
<td>Every OEM will design solution as per their OWN architecture.</td>
<td>The Switch should have 8 MB or more packet buffer size.</td>
</tr>
<tr>
<td>Sl. No.</td>
<td>RFP Page No.</td>
<td>RFP Reference</td>
<td>Description in RFP</td>
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<tr>
<td>44</td>
<td>143</td>
<td>Volume-IL5.2.1.17. Functional &amp; Technical Requirements for Aggregation Switches, Minimum Requirements, 3.17</td>
<td>The Switch should enable link connectivity monitoring and reduce network convergence time for RIP, OSPF, BGP, IS-IS, VRRP and switch virtualisation technology.</td>
<td>Kindly amend BGP/IS-IS.</td>
<td>The Switch should enable link connectivity monitoring and reduce network convergence time for RIP, OSPF, BGP, IS-IS, VRRP and switch virtualisation technology.</td>
</tr>
<tr>
<td>45</td>
<td>143</td>
<td>Volume-IL5.2.1.17. Functional &amp; Technical Requirements for Aggregation Switches, Minimum Requirements, 3.19</td>
<td>The Switch should support Graceful restart for OSPF, BGP, and IS-IS.</td>
<td>Kindly amend BGP/IS-IS.</td>
<td>The Switch should support Graceful restart for OSPF, BGP, and IS-IS.</td>
</tr>
<tr>
<td>46</td>
<td>143</td>
<td>Volume-IL5.2.1.17. Functional &amp; Technical Requirements for Aggregation Switches, Layer 3 routing from day-1 (any additional licenses required shall be included), 6.4</td>
<td>The Switch should support static routes, RIP, and RIPv2, OSPF, BGP, and IS-IS.</td>
<td>Kindly amend BGP/IS-IS.</td>
<td>The Switch should support static routes, RIP, and RIPv2, OSPF, BGP, and IS-IS.</td>
</tr>
<tr>
<td>47</td>
<td>143</td>
<td>Volume-IL5.2.1.17. Functional &amp; Technical Requirements for Aggregation Switches, Layer 3 routing from day-1 (any additional licenses required shall be included), 6.5</td>
<td>Intermediate system to intermedite system (IS-IS)</td>
<td>Kindly amend BGP/IS-IS.</td>
<td>BGP/IS-IS.</td>
</tr>
<tr>
<td>48</td>
<td>143</td>
<td>Volume-IL5.2.1.17. Functional &amp; Technical Requirements for Aggregation Switches, Layer 3 routing from day-1 (any additional licenses required shall be included), 6.6</td>
<td>The Switch should allow IPv6 packets to traverse IPv4-only networks by encapsulating the IPv6 packet into a standard IPv4 packet.</td>
<td>Kindly amend BGP/IS-IS.</td>
<td>The Switch should allow IPv6 packets to traverse IPv4-only networks by encapsulating the IPv6 packet into a standard IPv4 packet.</td>
</tr>
<tr>
<td>50</td>
<td>146</td>
<td>Volume-IL5.2.1.19. Functional &amp; Technical Requirements for 48-Port Ruggedized Switches, Minimum Specifications, 9</td>
<td>The Switch should have internal/external (DIN rail mountable) AC power supply.</td>
<td>Requested Switch is not industrial grade switch. Please amend as it should be AC/DC supported along with DIN rail or Rack mountable.</td>
<td>The Switch should have internal/external (DIN rail mountable / RACK mountable or equivalent ways to support the solution) AC/DC power supply as per requirement.</td>
</tr>
<tr>
<td>51</td>
<td>145</td>
<td>Volume-IL.5.2.1.18. Functional &amp; Technical Requirements for 24-Port Switch, Minimum Technical Requirements, 1.5</td>
<td>Shall have minimum 2 GB or more of Memory and 512MB or more of Flash Memory</td>
<td>Every OEM will design solution as per their OWN architecture.</td>
<td>Shall have minimum 1 GB or more of Memory and 512MB or more of Flash Memory.</td>
</tr>
<tr>
<td>52</td>
<td>175</td>
<td>5.2.2.18 IBM Specification</td>
<td>3. The solution shall be able to maintain a record of the rack capacity and utilization including:</td>
<td>The solution shall be able to maintain a record of the rack capacity and utilization including POE Switch Ports Utilization and Status.</td>
<td>The solution shall be able to maintain a record of the rack capacity and utilization including POE Switch Ports Utilization and Status.</td>
</tr>
</tbody>
</table>
The solution should have the following visual indicators: Rack indicator – the solution should support rack indicator (beacon) in order to guide the work order executor to the specific work order cabinets/trays.

The solution should have the following visual indicators: Rack indicator – the solution should support rack indicator / LCD display to show end to end circuit connections and guide the work order executor to the specific work order cabinets/trays.

Request to delete this feature, since it is not a AIM ISO/IEC 18598 functionality, hence could be OEM specific feature.

The solution should be fully comply with ANSI/TIA-568-B (including 5-1) and ISO/IEC 18598 standards.

Any work order execution should be achieved by help of display/indicating indicator at rack level and panel port LED’s with confirmation of completion / progress at every step. This is essential to ensure easy error-free usage of the system.

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The optical fiber proposed is an all Dielectric Gel-Free lightweight Single Mode fiber with transmission performances of 1550nm: \( \leq 0.20 \text{ dB/km} \); 1285-1330nm: \( \leq 0.34 \text{ dB/km} \); 1380-1386nm: \( \leq 0.31 \text{ dB/km} \) or higher as per design requirement. The optical fiber proposed is an all Dielectric Gel-Free lightweight Single Mode fiber with transmission performances of 1550nm: \( \leq 0.20 \text{ dB/km} \); 1380-1386nm: \( \leq 0.31 \text{ dB/km} \) or higher as per design requirement.

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The RFP has to provide Enterprise version for all Open source software. No community version will be accepted. We appreciate the Smart city objective of deploying secure infrastructure. Many vulnerabilities recently been found in both open source as well as non-Open source software. Hence we request this point be amended to the following: “All systems supplied by the SI (open source or otherwise) should adhere to the cyber security requirements laid out by model framework for cyber security requirements set for Smart City circular no. K-15016/8/2016-SC-1; Government of India, and Ministry of Urban Development (copy attached) and shall be audited as per corresponding guidelines.”

We can propose radiant/video based technology. Solar based technology follow the specifications mentioned in RFP. For video based technology follow the below specifications:
1) If Video based Vehicle Detector camera should have HD resolution
2) Camera should support dual video streaming with MIPEG4/H265 compression
3) System should support up to 24 vehicle presence zones and 4 data zones for each camera.
4) Detector zones should be configurable as upstream/downstream/stop-line or end as per site requirement.
5) Detector should detect vehicle count with an accuracy of 90% during Day & Night and all weather conditions like rain, fog etc.
6) System should be able to classify vehicles into three different categories like LMV, 2-Wheeler & HMV with an accuracy of 80% or above for all the vehicles.

The vehicle detector should forward firing technology multihole radar/video based technology with 4D object tracking with HD resolution. The sensor should be capable of working in fog, rain and without any requirement of cleaning and can provide precise information on counting, classification spacing length for at least 175 meters for all stopped and moving vehicles.

The system should have the facility to provide the live feed of the camera at the central control centre. System should generate Alerts at control room software if any signal is found not turning RED within a specific duration of time. The following Traffic violations to be automatically detected by the system by using the internally integrated sensor technology. The BLVD software must be immune of ITMS and VMS software for easy to use. These cameras should also be used for evidence snap generation minimum for Red Light Violation, Stop Line Violation, Wrong left turn violation, Wrong direction driving violation.

The speed detection shall have the highest accuracy and capture rate of 99%. The system shall have the ability to track multiple vehicles in single lane. It shall have an accurate measurement of the speed and location of the vehicle within the measuring area. It shall also support wireless handheld device configuration, visual configuration interface in a highly user-friendly and efficient interface. The system shall also be able to detect vehicles going in the wrong. The system must be capable to detect speed of Two-wheeler, Three-wheeler, Four-wheeler and Heavy vehicles.

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The system shall perform OCR (optical character recognition) of the license plate characters in real time. (English alpha-numeric characters in standard fonts). OCR accuracy shall be at least 90% during day time and 85% during night time for standard number plate. System is able to detect and recognize the English alphabetic License plate in standard fonts and formats of all vehicles including cars, HCV, LCV and two wheelers. The system is robust to variation in License Plates in terms of font, size, contrast and colour.

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Third party (authorized company to do so) speed test reports can be submitted to client. On field detailed speed test reports for more than 120-200 km/hr with various speed limits. Alternatively, the system should be approved and homologated by some traffic or infrastructure department who directly oversees fine generation of road infrastructure in or area of your choice. Based on survey, and after consultation with BSCL, a certificate/report is to be submitted to the client.

Speed test reports/certificate should only be accepted when the tests are done by NABL Labs who are handling vehicle speed related activities like ARAI. Also certificate from IPS officer should not be accepted.

So kindly amend it as: "Speed detection accuracy of the system should be certified from the authorised Indian Govt. body like NABL LAB and accuracy should be up to 150km/h ± 3%".

Speed detection accuracy of the system should be certified from the authorised Indian Govt. body like NABL LAB and accuracy should be up to 150km/h ± 3%.

The industrial processor used should be provided with cameras. Should be minimum multiple core, RAM 2 GB, with SD storage and USB storage options, temp -40 to 60 degrees and should be part of system.

As per climate of Bhagalpur, temperature cannot go below 0 degrees, so request you to amend the clause as: "The industrial processor used should be provided with cameras. Should be minimum multiple core, RAM 2 GB, with HDD storage and USB storage options, temp 0 to 60 degrees and should be part of system.

The industrial processor used should be provided with cameras. Should be minimum multiple core, RAM 2 GB, with HDD/SD storage and USB storage options, temp 0 to 60 degrees and should be part of system.

The system shall support Android, iOS and Windows Mobile platform.

Windows mobile platform is end of life. Hence we suggest to remove windows mobile platform support.

The system shall support Android/Mobile, IOS.

BSCL shall provide the base map to MS if available. MSI shall update the Smart City Implementations done on the base map.

MSI will pay the cost in project tenure.

Collection of Survey Data through Tablet PC Apps: Floor Area/Carpet Area(Sq. Ft.) Port Area (Sq. Ft.). This data captured through the amount of citizen and if they deny then this data will be captured by their self declaration form and validated by the surveyors.

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1) What are the GIS layers available with BSCL. what is the scale of those available layers ? Please provide detail.
2) Also give list of layers required to be created additionally along with map scale to arrive at accurate techno-commercial estimates.
2) Please provide the Area of Interest ( AOI) in Sq KM for Bhagalpur city area for which data is proposed to be created.
2) What is the source of data creation or base map? If data (base map ) to be created from satellite Image, please provide resolution of satellite Image and other technical specification.
3) Also please suggest, will satellite image be procured by BSCL, or it is in the scope of bidder? Since Satellite image can be procured only through NRSC-ISRO, we suggest it should be done as Govt to Govt procurement by BSCL directly from NRSC-ISRO.

Alternatively, may be submitted to client. On field detailed speed test reports for more than 120-200 km/hr with various speed limits. Alternatively, the system should be approved and homologated by some traffic or infrastructure department who directly oversees fine generation of road infrastructure in or area of your choice. Based on survey, and after consultation with BSCL, a certificate/report is to be submitted to the client.

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<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>RFP Page No.</th>
<th>RFP Reference</th>
<th>Description in RFP</th>
<th>Query / Suggestion by the Company</th>
<th>Revised/New/Amendment in the Clause</th>
</tr>
</thead>
<tbody>
<tr>
<td>91</td>
<td>371 of 504</td>
<td>Volume II: Scope of Work, 6.5 SOW For Integrated Traffic Management System (ITMS), 6.2.4.2 Traffic Sensors Lights and Signals, Part C (xx)</td>
<td>Total Harmonic Distortion: &lt;20%</td>
<td><strong>Total Harmonic Distortion (THD) is applicable only when input voltage is 230V AC however as per clause Annexure-65/A, LED Aspect with 24V DC input is also allowed. If the bidder chooses to opt for 24VDC LED Aspects then THD will not be applicable. Please change the clause to: THD&lt;20% wherever applicable.</strong></td>
<td></td>
</tr>
<tr>
<td>92</td>
<td>394</td>
<td>Volume 2 7.1.3.3 Functional &amp; Technical Requirements of PAN, Tilt &amp; Zoom(PTZ) Camera</td>
<td>Sensor 1/2.8” Progressive scan CMOS</td>
<td><strong>Please amend to “Sensor 1/3” Progressive scan CMOS or better”</strong></td>
<td><strong>Sensor 1/3” Progressive scan CMOS/CCD or better</strong></td>
</tr>
<tr>
<td>93</td>
<td>394</td>
<td>Volume 2 7.1.3.3 Functional &amp; Technical Requirements of PAN, Tilt &amp; Zoom(PTZ) Camera</td>
<td>IR Inbuilt IR, IR distance up to 150 mtr</td>
<td><strong>Please amend to “IR Inbuilt IR, IR distance up to 100 mtr or better”</strong></td>
<td>IR Inbuilt IR, IR distance up to 100 mtr or more</td>
</tr>
<tr>
<td>94</td>
<td>Page no 397 of 505</td>
<td>Volume II: Scope of Work, 7.1.3.4 Functional &amp; Technical Requirements of Outdoor Dome Camera</td>
<td>IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF, ARP (Optional)</td>
<td><strong>Request to remove UPnP since it’s not a safe protocol</strong></td>
<td>IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, IGMP, SNMP, QoS, ONVIF, ARP (Optional)</td>
</tr>
<tr>
<td>95</td>
<td>Page no 403 of 505</td>
<td>Volume II: Scope of Work, 7.1.3.7 Functional &amp; Technical Requirements of Infrared Illuminators</td>
<td>IPv6, IK09 Rated</td>
<td><strong>Suggest change it to IPv6/IPv4 which is enough for Infrared Illuminators for Outdoor environment</strong></td>
<td>IPv6/IPv4, IK09 Rated</td>
</tr>
<tr>
<td>96</td>
<td>Page no 403 of 505</td>
<td>Volume II: Scope of Work, 7.1.3.7 Functional &amp; Technical Requirements of Infrared Illuminators</td>
<td>0 °C to 55 °C or better</td>
<td><strong>Suggest change it 0 °C to 50 °C or better since 50 °C is enough for India environment</strong></td>
<td>0 °C to 50 °C or better</td>
</tr>
<tr>
<td>97</td>
<td>111</td>
<td>11.9. CF card detection, maintenance, and alarm</td>
<td>CF Card is an old way of taking config backup etc. which has been replaced by USB port. USB port is already asked in the camera.</td>
<td><strong>Please amend to “Compact flash slots &amp; CF Card detection”</strong></td>
<td><strong>Compact flash slots &amp; CF Card detection</strong></td>
</tr>
<tr>
<td>98</td>
<td>103</td>
<td>CCTV Surveillance System</td>
<td>OEM of CCTV shall have local support centre.</td>
<td><strong>OEM of CCTV shall have local support centre or should give undertaking to open the service center within 30 days after signing the contract.</strong></td>
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</tr>
<tr>
<td>99</td>
<td>17</td>
<td>Volume 2, Clause 2.1.2 Scope of work Integration with existing and proposed ICT System within BSCL, e-Municipality</td>
<td>Please clarify on existing e-Municipality modules already implemented at Bhagulpur Nagar Nigam.</td>
<td><strong>Please clarify on existing e-Municipality modules already implemented at Bhagulpur Nagar Nigam.</strong></td>
<td>Existing e-Municipality modules already implemented by Govt. of Bihar for Bhagulpur Nagar Nigam. Now The e-Governance modules as per RFP of BSCL will integrate with existing e-Municipality modules. No need to separately develop the e-Municipality modules.</td>
</tr>
<tr>
<td>100</td>
<td>205</td>
<td>Volume 2, Clause 5.7 Web Portal and Mobile Application</td>
<td>It is given that eGovernance and Mobile Application developed in Bhagulpur Smart City will be replicated to all other Cities of Bihar with same source code. Do the bidder need to consider License fees for other cities and implementation and support charges for the same in this Bhagulpur Bid ? please include / add this components in the Financial Bid eform/BQ or delete it.</td>
<td><strong>Scope in Bhagulpur RFP need to be given in corrigendum to make as clear effort estimation and better financials.</strong></td>
<td><strong>The eGovernance and Mobile Application developed in Bhagulpur Smart City will be replicated to all other Cities of Bihar with same source code. This feature is for scalability purposes only and it will also depends on the competent authority to deploy this modules for future perspectives. Hence no additional charges will be given to the bidders.</strong></td>
</tr>
</tbody>
</table>

**Sd/- Chief Executive Officer**