# Varanasi Smart City Limited (VSCL)

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# VARANASI INTEGRATED SMART SOLUTIONS

**RFP No. 01/VSCL/MSI-ICT/Sep-17**                    Date: 18th October 2017

## Corrigendum

The amended clauses in the above mentioned RFP post Pre-bid meeting on 25th September 2017 are enclosed as Annexure '**Corrigendum II for Varanasi Integrated Smart Solutions**'.

**(Nitin Bansal)**
CEO, VSCL
Municipal Commissioner, VNN,
Varanasi, UP

| Sr. No. | RFP Volume/Corrigendum Page No./Clause/Section No. | Clause/Content in RFP/Addendum/corrigendum | Amendment to the Tender Document |
|---|---|---|---|
| 1 | **General Information: Last date of Bid Submission** | General Circular | **Last date of bid submission is extended to 10th November 2017 till 1600 hrs.** |
| 2 | Addendum to **Corrigendum I**-Annexure 'A' Bill of Material **Sr No 14** | Network switch ruggedized ( Industrial aggregation switch) : Removed | **The clause to be read as:**<br><br>Industrial network aggregation switch (for outdoor use): **Bidder has to provide Industrial switches as per its proposed technical solution and city requirements.** |
| 3 | **Corrigendum I- Sr. No. 45 (iii)** | The proposed HCI should support File Services and block storage any of these industry protocols over NFS/CIFS/SMB/iSCSI and should support applications across clusters and data centers | **The clause to be read as:**<br><br>The proposed HCI should support File Services / block storage within architecture on any of these industry protocols over NFS/CIFS/SMB/iSCSI and should support replications across clusters and data centers |
| 4 | **Corrigendum I, No. 48 (ii)** | Firewall with IPS & URL Filtering:<br><br>Should support reputation and category based URL filtering offering comprehensive alerting and control over suspect web traffic and enforces policies in more than 80 categories. | **The clause may be read as:**<br>Should support reputation and category based URL filtering offering comprehensive alerting and control over suspect web traffic and enforces policies in more than 75 categories. |
| 5 | **Corrigendum I, Sr. No. 80** | The Consortium member has agreed that the lead member of MSI is the prime point of contact between the MSI and the VSCL and it shall be primarily responsible for the discharge and administration of all the obligations contained herein and, the VSCL, unless it seems necessary shall deal only with lead bidder of MSI. The lead member of the MSI along with all consortium members shall be jointly and severally responsible for the project execution with liable expectation full support of other consortium members. | **The Clause to be read as:**<br><br>The Consortium member has agreed that the lead member of MSI is the prime point of contact between the MSI and the VSCL and it shall be primarily responsible for the discharge and administration of all the obligations contained herein and, the VSCL, unless it deems necessary shall deal only with lead bidder of MSI. ~~The lead member of the MSI along with all consortium members shall be jointly and severally responsible for the project execution with liable expectation full support of other consortium members.~~<br><br>**In the case of Consortium of two or more firms, the Lead Partner in Charge and each other Party to the extent of their respective scopes, shall be jointly and severally liable to VSCL for the fulfilment of the provisions of the Contract. The composition or constitution of the Consortium as specified in the Consortium Agreement submitted as part of the Proposal shall not be altered for the duration of the Contract without the prior consent of VSCL.** |
| 6 | Volume II, **Page No. 7** | Project Management: MSI will deploy Project Management Tool which should cater to effective project management, configuration management, issue and risk management, escalation procedure and matrix document repository etc. | **The clause to be read as:**<br><br>MSI will deploy **Enterprise Project Management Tool** which should cater to effective project management, configuration management, issue and risk management, escalation procedure and matrix document repository etc. |
| 7 | Volume II, **Page No. 59** | IoE solution should be capable of seamless integration with various government and emergency services such as law enforcement, disaster and emergency services, utility services etc., the proposed solution should support recording of external mobile video feeds, data communication, telephony etc., it should support scenario reconstruction and analytics capabilities with event timelines. The solution should support event logs including operator's onscreen activities, voice & video events, etc. for further analysis, training and similar activities. | **The clause to be read as:**<br><br>IoE solution should be capable of seamless integration with various government and emergency services such as law enforcement, disaster and emergency services, utility services etc., the proposed solution should support recording of external mobile video feeds, data communication, telephony etc. The solution should support event logs including operator's onscreen activities, voice & video events, etc. for further analysis, training and similar activities. |

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| 8 | Volume II, **Page No. 63** | Site preparation for KICCC- Norms | **Addition to Clause -**<br><br>All the relevant certificates in support of the folowing listed requirements to be submitted along with the bid -<br>1. **BIFMA X5.5, OHSAS 18001, ROHS, ASTM E84, Greenguard Certified certifications** and Varanasi **Seismic Zone 3** qualified control desk.<br>2. Control Room should be designed as per **ISO 11064 and HFE norms**, relevant Report & Control centre animation of minimum 60 seconds must be submitted along with the BID.<br>3. Control Room **wall panelling and ceiling must be 100% modular** for future technological expansions, OEM to submit an undertaking for the same.<br>4. Wall panelling and Ceiling tiles must be a combination of **perforated and non-perforated tiles to have Sound absorption.**<br>5. Wall Panelling and Ceiling must be **seismically tested & certified** for Varanasi Seismic Zone (3) Vibrations and ROHS certified. Valid report from government approved test lab (for Seismic test) to be enclosed with the bid. Control Room Interiors must be Greenguard certified to reduce health hazards because of interior finishes.<br>6. Wall Panelling and Ceiling tiles must be **Class A fire rated certified** for surface burning characteristics as per ASTM e84 or equivalent. Certificate to be attached with the bid.<br>7. For Control room interiors Wood, Gypsum, POP and paint etc. shall be deemed unacceptable to ensure 10 year's maintenance free working environment. OEM to submit an undertaking for the same. |
| 9 | Vollume II, Video Wall, Page No. **96** | Video Wall Screen and Video Wall Controller: Power Consumption/ Power Supply | **Note**: The term 'Hot swappable' stands **optional**. |
| 10 | Volume II: Scope of Work, Leaf (Fiber) Switch Specification, Performance Requirement, **Page No. 119** | The switch should support uninterrupted forwarding operation for OSPF, BGP etc. routing protocol to ensure high-availability during primary controller failure | **The clause to be read as:**<br><br>The switch should support forwarding operation for OSPF, BGP and other routing protocol |
| 11 | Volume II, Networking- Switching Fabric Architecture, **Page No. 112/ 135** | Switching Fabric Architecture & Illustrative High Level Network Architecture Diagram | **Architecture/ Diagram: The architecture/ diagram is illustrative only. The Bidder may propose best specification as per the proposed solution and city requirements.** |
| 12 | Volume II: Scope of Work, Hyper-Converged Infrastructure:, **Page No. 136** | Shall support minimum 32 nodes in a same cluster. | **The clause to be read as:**<br><br>Shall support **8 or higher nodes** in a same cluster. |
| 13 | Volume II<br>Anti APT Feature<br>Clause-6, **Page 157** | Appliance should have fail-open capabilities for all ports | **The bidder may propose as per the proposed technical solution and security requirements for Data Center.** |
| | Vol II - Anti-APT Feature, Serial No-5; **Page No. 157** | Appliance should be capable of working in Inline Blocking mode without depending on other network components like a separate FW, IPS or Web Security Appliance | |
| | Vol II - Firewall with IPS & URL Filtering, IP addresses related to suspected security events, Serial No -1; **Page No. 161** | Proposed Firewall should not be proprietary ASIC-based in nature & should be open architecture based on multi-core CPU's to protect & scale against dynamic latest security threats. | |

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| | Volume II<br>Firewall with IPS & URL Filtering: Clause-3, **Page 161** | Firewall should support manual NAT and Auto-NAT static nat, dynamic nat, dynamicpat | |
| | Vol II - Firewall with IPS & URL Filtering, IP addresses related to suspected security events, Serial No -6; **Page No. 163** | Should support Open based Application ID for access to community resources and ability to easily customize security to address new and specific threats and applications quickly | |
| | Vol II - Firewall with IPS & URL Filtering, Management, Serial No -7, **Page 163** | The management platform must be accessible via a web-based interface and ideally with no need for additional client software | |
| | Vol II - Firewall with IPS & URL Filtering, Management, Serial No -7, **Page 164** | The management platform must be capable of integrating third party vulnerability information into threat policy adjustment routines and automated tuning workflows | |
| 14 | Vol II - Firewall with IPS & URL Filtering, High-Availability Features , Serial No -4, **Page 162** | Firewall should have redundant hot-swappable FANs | **The clause to be read as:**<br>Firewall should have redundant and hot swappable power supplies. |
| 15 | Vol II - Firewall with IPS & URL Filtering, IP addresses related to suspected security events, Serial No -6, **Page 162** | Solution must support IP reputation intelligence feeds from third party and cus-tom lists of IP addresses including a global blacklist. | **The clause to be read as:**<br><br>Solution must support IP reputation intelligence feeds and custom lists of IP addresses including a global blacklist. |
| 16 | Volume II, ATCS Application software, **Page No. 193** | Objective of the ATCS is to minimize the stops and delays in a road network to decrease the travel time with the help of state-of-the-art technology. The adaptive traffic control system will provide simulation based real time traffic flow modelling capability with the capacity to calculate traffic flows, OD movements, and queues and turning movement along entire primary road transport network in the defined study area covering the ATCS junctions and beyond. | **The clause to be read as:**<br><br>Objective of the ATCS is to minimize the stops and delays in a road network to decrease the travel time with the help of state-of-the-art technology. The adaptive traffic control system will provide **simulation based traffic flow modelling** capability with the capacity to calculate traffic flows, OD movements, and queues and turning movement along entire primary road transport network in the defined study area covering the ATCS junctions and beyond. |
| 17 | Volume II, General Requirements | Indoor/ Outdoor UPS, Racks, Junction Box/ Outdoor Cabinets | a. UPS (Indoor/ Outdoor): Should be **SNMP based for monitoring through NMS.**<br>b. Field Junction Box/ Outdoor Cabinet: Should be **powder coated (equivalent or better) HDG/ CRCA, IP65 with   shelf life of atleast 10 years.**<br>c. Racks: Should have **inbuilt precision cooling and rust free coating for 10 years.**<br><br>**The bidder may propose better specifications in proposed solution as per city requirement.** |
| 18 | Volume II, **Page No. 369** | Utility dashboard: The Utility dashboard should be capable to change behavior of Utility departments in a smarter way and drive incremental, continuous improvements. | **The clause to be read as:**<br><br>The Utility dashboard should be capable to facilitate decision support, analysis of Utility departments' data, etc. in a smarter way through **Enterprise solution Dashboarding**. |