



Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

VOLUME -3: Terms & Conditions

Tender Notice No: RSCCL/C4/RFP-58/2017/58

Issue Date: October 12, 2017

E-Procurement Reference: RSCCL/CCCC/2017/01

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

Disclaimer

Ranchi Smart City Proposal (SCP) has been selected to implement the Area Based Development (ABD) and Pan-City proposals by Government of India (GoI) under Smart City Mission (SCM). Ranchi SCP proposes served smart solution in ADB and cross pan-city providing various Smart feature/infrastructure.

To implement Smart City projects in Ranchi, Ranchi Municipal Corporation and Jharkhand Urban Development and Housing Department has formed a SPV called Ranchi Smart City Development Ltd. (RSCCL).

RSCCL has prepared this Request for Proposals (RFP) for the “Request for Proposals for Selection of Master System Integrator for Implementation of Command Control and Communication Center for Ranchi City”. The RFP is a detailed document with specifies terms and conditions on which the bidder is expected to work. These terms and conditions are designed keeping in view the overall aim and objectives of the Command Control and Communication Centre. RSCCL has taken due care in preparation of information contained herein and believes it to be accurate. However, neither RSCCL or any of its authorities or agencies nor any of their respective officers employees, agents, or advisors gives any warranty or make any representations, express, or implied as to the completeness or accuracy of the information contained in this document or any information which may be provided in association with it.

The information provided in this document is to assist the bidder(s) for preparing their proposals. However this information is not intended to be exhaustive, and interested parties are expected to make their own inquiries to supplement information in this document. The information is provided on the basis that it is non-binding on RSCCL any of its authorities or agencies, or any of their respective officers, employees, agents, or advisors. Each bidder is advised to consider the RFP as per its understanding and capacity. The bidders are also advised to do appropriate examination, enquiry and scrutiny of all aspects mentioned in the RFP before bidding. Bidders are encouraged to take professional help of experts on financial, legal, technical, taxation, and any other matters / sectors appearing in the document or specified work. The bidders should go through the RFP in detail and bring to notice of RSCCL any kind of error, misprint, inaccuracy, or omission.

RSCCL reserves the right not to proceed with the project, to alter the timetable reflected in this document, or to change the process or procedure to be applied. It also reserves the right to decline to discuss the Project further with any party submitting a proposal. No reimbursement of cost of any type will be paid to persons, entities, or consortiums submitting a Proposal.

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

Definitions/Acronyms

Terms	Meaning
ABD	Area Based Development
COTS	Commercial Off-The-Shelf
CSP	Cloud Service Provider
DC	Data Center
SDC	State Data Center
DMS	Document Management System
DRC	Disaster Recovery Center
EMD	Earnest Money Deposit
GIS	Geographical Information System
IPF	Information Processing Facility
ISO	International Organization for Standardization
ITMS	Intelligent Transport Management System
ITDP	Institute for Transportation and Development Policy
RSCCL	Ranchi Smart City Corporation Ltd.
ISWM	Integrated Solid Waste Management
LOA	Letter of Acceptance
SCP	Smart City Proposal
MIS	Management Information System
MSI	Master System Integrator
NIT	Notice Inviting Tender
SLA	Service Level Agreement
SCM	Smart City Mission
SPV	Special Purpose Vehicle
TCV	Total Contract Value
TDS	Tax Deducted at Source
UAT	User Acceptance Testing
VAT	Value Added Tax

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

Table of Contents

Section A: General Conditions of Contract (GCC)	6
1 Definition of Terms	6
2 Interpretation	7
3 Conditions Precedent	8
4 Scope of work.....	9
5 Key Performance Measurements.....	9
6 Commencement and Progress.....	9
7 Standards of performance	10
8 Approvals and Required Consents	10
9 Constitution of Consortium	10
10 MSI's Obligations	11
11 RSCCL's Obligations.....	17
12 Payments.....	18
13 Intellectual Property Rights	19
14 Taxes	20
15 Indemnity.....	20
16 Warranty.....	21
17 Term and Extension of the Contract.....	22
18 Dispute Resolution.....	22
19 Time is of the essence	24
20 Conflict of interest.....	24
21 Publicity.....	24
22 Force Majeure.....	24
23 Delivery	24
24 Insurance	25
25 Transfer of Ownership.....	25
26 Exit Management Plan	26
SECTION B: SPECIAL CONDITIONS OF CONTRACT (SCC).....	26
27 Performance Security.....	26
28 Limitation of Liability:.....	27
29 Ownership and Retention of Documents	27
30 Information Security	28
31 Records of contract documents.....	28

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

32	Security and Safety.....	29
33	Confidentiality	29
34	Termination	29
35	Consequence of Termination	30
36	Events of Default by MSI.....	31
37	Change Control Note (CCN)	32
	Section C: SERVICE LEVELS	34
38	General Principles of Service Level Agreements	34
39	Purpose.....	46
40	Service Level Agreements & Targets.....	47
41	Conditions for No Penalties.....	47
42	Reporting Procedure	47
43	Service Level Change Control	47
	Section D: Annexure.....	49
	Annexure – I: Change Control Note	49
	Annexure – II: Form of Agreement.....	52

Section A: General Conditions of Contract (GCC)

1 Definition of Terms

1. **Acceptance of System/Solution** means; the system/solution shall be deemed to have been accepted by RSCCL, subsequent to its installation, rollout and deployment of trained manpower, when all the activities as defined in Scope of Work have been successfully executed and completed to the satisfaction of RSCCL. Refer to RFP Volume II.
2. **Agreement/Contract** means; the Contract entered into by the parties with the entire documentation specified in the RFP.
3. **Applicable Law(s)** means; any statute, law, ordinance, notification, rule, regulation, judgment, order, decree, bye-law, approval, directive, guideline, policy, requirement or other governmental restriction or any similar form of decision applicable to the relevant party and as may be in effect on the date of the execution of this Agreement and during the subsistence thereof, applicable to the Project.
4. **RSCCL** means; the Ranchi Smart City Development Limited. The project shall be executed in Ranchi and shall be owned by Ranchi Municipal Corporation.
5. **Commercial Off-The-Shelf (COTS)** means; software products that are ready-made and available for sale, lease, or license to the general public.
6. **Confidential Information** means; the information disclosed or submitted to the MSI by RSCCL in written, representational, electronic, verbal or other forms and includes all data, materials, products, technology, computer programs, specifications, manuals, business plans, software, marketing plans, financial information, human resource information and any other information disclosed or submitted whether prior to or after the date of this Agreement/Contract, including without limitation, the information on the contents and existence of this Agreement and analysis, compilations, studies and other documents prepared by either Party which contain or otherwise reflect or are generated from any Confidential Information.
7. **Contract Value** means; the price payable to MSI under this Contract for the full and proper performance of its contractual obligations
8. **Date of Commissioning of the Project/ Go-Live** means; the date of completion and clearance of successful FAT by RSCCL evidenced by way of written communication, of the entire system; such event shall be marked as the “date of commissioning/Go- Live”.
9. **Document** means; any embodiment of any text or image however recorded and includes any data, text, images, sound, voice, codes, databases or any other electronic documents as per IT Act 2000.
10. **Project** means; Implementation of Command Control and Communication Center for RSCCL
11. **Master System Integrator (MSI)** means; the MSI chosen out of the bidding process to execute the Implementation of Command Control and Communication Center for RSCCL

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

12. **Service level agreement (SLA)** is the service level and performance commitment of a Master System Integrator to RSCCL that defines the performance output and availability of the deliveries and installations under this RFP Requirements.
13. **Final Acceptance Test (FAT)** means a test conducted by RSCCL or its representatives or its third party testing agencies as may be decided by RSCCL to determine if the requirements and performance of the equipment and systems delivered by MSI as laid in RFP, and the documents referred in General Terms and Conditions meet the specified output, functionality and performance in standalone and integrated mode.
14. **MSI's Team** means; MSI who has to provide goods & services to RSCCL under the scope of this Contract. This definition shall also include any and/or all of the employees of MSI, authorized service providers/ partners and representatives or other personnel employed or engaged either directly or indirectly by MSI for the purposes of this Contract.
15. **Consortium** means; the entity named in the contract for any part of the work has been sublet with the consent in writing of RSCCL and the heirs, legal representatives, successors and assignees of such person.
16. **Effective Date** means; the date on which this Contract is signed and executed by the parties hereto.
17. **Intellectual Property Rights** means; a means any patent, copyright, trademark, trade name, service marks, brands, proprietary information whether arising before or after the execution of this Contract and the right to ownership and registration of these rights.
18. **OEM** means; the Original Equipment Manufacturer of any equipment / system / software / product which are providing such goods to RSCCL under the scope of the RFP.
19. **Program Manager** means; the duly authorized MSI's representative, who shall manage and be responsible for fulfillment of the MSI's for performance of the Agreement/Contract;
20. **Subcontractor** means; any entity that is directly or indirectly subcontracted by Master System Integrator to deliver any services or supply any products, including supply of products as a third party producer to RSCCL as required under the terms and conditions of this Agreement/Contract;
21. **SCC** means; Special Conditions of Contract.
22. **Services** means; the work to be performed by the agency pursuant to the RFP and to the contract to be signed by the parties in pursuance of any specific assignment awarded by RSCCL

2 Interpretation

2.1 In this Contract unless a contrary intention is evident:

- a) the clause headings are for convenient reference only and do not form part of this Contract;
- b) unless otherwise specified a reference to a clause number is a reference to all

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

of its sub-clauses;

- c) the word “include” or “including” shall be deemed to be followed by “without limitation” or “but not limited to” whether or not they are followed by such phrases;
- d) unless otherwise specified a reference to a clause, sub-clause or section is a reference to a clause, sub-clause or section of this Contract including any amendments or modifications to the same from time to time;
- e) a word in the singular includes the plural and a word in the plural includes the singular;
- f) a word importing a gender includes any other gender;
- g) a reference to a person includes a partnership and a body corporate;
- h) a reference to legislation includes legislation repealing, replacing or amending that legislation;
- i) Where a word or phrase is given a particular meaning it includes the appropriate grammatical forms of that word or phrase which have corresponding meanings.
- j) In the event of an inconsistency between the terms of this Contract and the RFP and the Bid, the terms hereof shall prevail.

3 Conditions Precedent

This Contract is subject to the fulfillment of the following conditions precedent by MSI.

- 3.1. Furnishing by MSI, an unconditional and irrevocable Performance Bank Guarantee (PBG) (Annexure 8 of the RFP Volume I) and acceptable to RSCCL which would remain valid until such time as stipulated by RSCCL.
- 3.2. Obtaining of all statutory and other approvals required for the performance of the Services under this Contract. This may include approvals/clearances, wherever applicable, that may be required for execution of this contract e.g. clearances from Government authorities for importing equipment, exemption of Tax/Duties/Levies, work permits/clearances for MSI/MSI's team, etc.
- 3.3. Furnish notarized copies of any/all contract(s) duly executed by MSI and its OEMs existing at the time of signing of this contract in relation to RSCCL's project. Failure to do so within stipulated time of signing of contract would attract penalty as defined in Clause 40 in this Section.
- 3.4. Furnishing of such other documents as RSCCL may specify/ demand.
- 3.5. RSCCL reserves the right to waive any or all of the conditions specified in Clause 3 above in writing and no such waiver shall affect or impair any right, power or remedy that RSCCL may otherwise have.
- 3.6. In the event that any of the conditions set forth in Clause 3 hereinabove are not fulfilled within 1 months from the date of this Contract, or such later date as may be mutually agreed upon by the parties, RSCCL may terminate this Contract.

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

- 3.7. In case there is a contradiction between the sections, the below hierarchy of sections in order of precedence:
1. Pre-bid clarification and Corrigendum, if any
 2. Volume III of RFP (GCC holds precedence over SCC)
 3. Section 1, 2, 3, 4 and Annexures of RFP Volume I

4 Scope of work

- 4.1. Scope of the work shall be as defined in RFP Volume II and Annexures thereto of the tender.
- 4.2. RSCCL has engaged MSI to provide services related to implementation of Ranchi Smart City solutions using which RSCCL intends to perform its business operations. MSI is required to provide such goods, services and support as RSCCL may deem proper and necessary, during the term of this Contract, and includes all such processes and activities which are consistent with the proposals set forth in the Bid, the Tender and this Contract and are deemed necessary by RSCCL, in order to meet its business requirements (hereinafter 'scope of work').

5 Key Performance Measurements

- 5.1. Unless specified by RSCCL to the contrary, MSI shall deliver the goods, perform the services and carry out the scope of work in accordance with the terms of this Contract, Scope of Work and the Service Specifications as laid down under Section C (Service Level Agreement) of this section.
- 5.2. If the Contract, scheduled requirements, service specification includes more than one document, then unless RSCCL specifies to the contrary, the later in time shall prevail over a document of earlier date to the extent of any inconsistency.
- 5.3. RSCCL reserves the right to amend any of the terms and conditions in relation to the Contract / Service Specifications and may issue any such directions which are not necessarily stipulated therein if it deems necessary for the fulfilment of the Schedule of Requirements.

6 Commencement and Progress

- 6.1. MSI shall subject to the fulfilment of the conditions precedent above, commence the performance of its obligations in a manner as per the Scope of Work (RFP Volume II).
- 6.2. MSI shall proceed to carry out the activities / services with diligence and expedition in accordance with any stipulation as to the time, manner, mode, and method of execution contained in this Contract.
- 6.3. MSI shall be responsible for and shall ensure that all activities / services are performed in accordance with the Contract, Scope of Work and Service Specifications and that MSI's Team complies with such Specifications and all other standards, terms and other stipulations/conditions set out hereunder.
- 6.4. MSI shall perform the activities / services and carry out its obligations under the Contract with due diligence, efficiency and economy, in accordance with

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

generally accepted techniques and practices used in the industry and shall observe sound management, engineering and security practices. MSI shall always act, in respect of any matter relating to this Contract, as faithful advisors to RSCCL and shall, at all times, support and safeguard RSCCL's legitimate interests in any dealings with Third parties.

7 Standards of performance

7.1. MSI shall perform the Services and carry out its obligations under the Contract with due diligence, efficiency and economy, in accordance with generally accepted techniques and best practices used in the industry and with IT standards recognized by international professional bodies and shall observe sound management, engineering and security practices. It shall employ appropriate advanced technology and engineering practices and safe and effective equipment, machinery, material and methods. MSI shall always act, in respect of any matter relating to the Contract, as faithful advisors to RSCCL and shall, at all times, support and safeguard RSCCL's legitimate interests in any dealings with Third Parties.

8 Approvals and Required Consents

8.1. RSCCL shall extend necessary support to MSI to obtain, maintain and observe all relevant and customary regulatory and governmental licenses, clearances and applicable approvals (hereinafter the "Approvals") necessary for MSI to provide the Services. The costs of such Approvals shall be borne by MSI. Both parties shall give each other all co-operation and information reasonably.

8.2. RSCCL shall also provide necessary support to MSI in obtaining the Approvals. In the event that any Approval is not obtained, MSI and RSCCL shall co-operate with each other in achieving a reasonable alternative arrangement as soon as reasonably practicable for RSCCL, to continue to process its work with as minimal interruption to its business operations as is commercially reasonable until such Approval is obtained, provided that MSI shall not be relieved of its obligations to provide the Services and to achieve the Service Levels until the Approvals are obtained if and to the extent that MSI's obligations are dependent upon such Approvals.

9 Constitution of Consortium

9.1. For the purposes of fulfillment of its obligations as laid down under the Contract, where RSCCL deems fit and unless the contract requires otherwise, MSI shall be the sole point of interface for RSCCL and would be absolutely accountable for the performance of its own, the other member of Consortium and/or its Team's functions and obligations.

9.2. The Consortium member has agreed that MSI is the prime point of contact between the Consortium member and RSCCL and it shall be primarily responsible for the discharge and administration of all the obligations contained herein and, RSCCL, unless it deems necessary shall deal only with MSI. MSI along with all consortium members shall be jointly and severally responsible for the project execution.

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

- 9.3. Without prejudice to the obligation of the Consortium member to adhere to and comply with the terms of this Contract, the Consortium member has executed and submitted a Power of Attorney in favour of MSI authorizing him to act for and on behalf of such member of the Consortium and do all acts as may be necessary for fulfillment of contractual obligations.
- 9.4. RSCCL reserves the right to review, approve and require amendment of the terms of the Consortium Contract or any contract or agreements entered into by and between the members of such Consortium and no such agreement/contract shall be executed, amended, modified and/or terminated without the prior written consent of RSCCL. An executed copy of each of such agreements/contracts shall, immediately upon execution be submitted by MSI to RSCCL.
- 9.5. Where, during the term of this Contract, MSI terminates any contract/arrangement or agreement relating to the performance of Services, MSI shall be responsible and severally liable for any consequences resulting from such termination. MSI shall in such case ensure the smooth continuation of Services by providing a suitable replacement to the satisfaction of RSCCL at no additional charge and at the earliest opportunity.

10 MSI's Obligations

- 10.1. MSI's obligations shall include all the activities as specified by RSCCL in the Scope of Work and other sections of the Tender and Contract and changes thereof to enable RSCCL to meet the objectives and operational requirements. It shall be MSI's responsibility to ensure the proper and successful implementation, performance and continued operation of the proposed solution in accordance with and in strict adherence to the terms of his Bid, the Tender and this Contract.
- 10.2. In addition to the aforementioned, MSI shall provide services to manage and maintain the said system and infrastructure as mentioned in RFP Volume II.
- 10.3. RSCCL reserves the right to interview the personnel proposed that shall be deployed as part of the project team. If found unsuitable, RSCCL may reject the deployment of the personnel. But ultimate responsibility of the project implementation shall lie with MSI.
- 10.4. RSCCL reserves the right to require changes in personnel which shall be communicated to MSI. MSI with the prior approval of RSCCL may make additions to the project team. MSI shall provide RSCCL with the resume of Key Personnel and provide such other information as RSCCL may reasonably require. RSCCL also reserves the right to interview the personnel and reject, if found unsuitable. In case of change in its team members, for any reason whatsoever, MSI shall also ensure that the exiting members are replaced with at least equally qualified and professionally competent members.
- 10.5. MSI should submit profiles of only those resources who shall be deployed on the project. Any change of resource should be approved by RSCCL and compensated with equivalent or better resource. RSCCL may interview the resources suggested by MSI before their deployment on board. It does not apply in case of change requested by RSCCL.

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

- 10.6. In case of change in its team members, MSI shall ensure a reasonable amount of time overlap in activities to ensure proper knowledge transfer and handover / takeover of documents and other relevant materials between the outgoing and the new member.
- 10.7. MSI shall ensure that MSI's Team is competent, professional and possesses the requisite qualifications and experience appropriate to the task they are required to perform under this Contract. MSI shall ensure that the services are performed through the efforts of MSI's Team, in accordance with the terms hereof and to the satisfaction of RSCCL. Nothing in this Contract relieves MSI from its liabilities or obligations under this Contract to provide the Services in accordance with RSCCL's directions and requirements and as stated in this Contract and the Bid to the extent accepted by RSCCL and MSI shall be liable for any non-performance, non-compliance, breach or other loss and damage resulting either directly or indirectly by or on account of its Team.
- 10.8. MSI shall be fully responsible for deployment / installation / development/ laying of network fibre and integration of all the software and hardware components and resolve any problems / issues that may arise due to integration of components.
- 10.9. MSI shall ensure that the OEMs supply equipment/ components including associated accessories and software required and shall support MSI in the installation, commissioning, integration and maintenance of these components during the entire period of contract. MSI shall ensure that the COTS OEMs supply the software applications and shall support MSI in the installation / deployment, integration, roll- out and maintenance of these applications during the entire period of contract. It must clearly be understood by MSI that warranty and O&M of the system, products and services incorporated as part of system would commence from the day of Go- Live of system as a complete Smart city solutions including all the solutions proposed. MSI would be required to explicitly display that he/ they have a back to back arrangement for provisioning of warranty/ O&M support till the end of contract period with the relevant OEMs. The annual maintenance support shall include patches and updates the software, hardware components and other devices.
- 10.10. All the software licenses that MSI proposes should be perpetual software licenses. The software licenses shall not be restricted based on location and RSCCL should have the flexibility to use the software licenses for other requirements if required.
- 10.11. All the OEMs that MSI proposes should have Dealer possession licenses.
- 10.12. RSCCL reserves the right to review the terms of the Warranty and Annual Maintenance agreements entered into between MSI and OEMs and no such agreement/contract shall be executed, amended, modified and/or terminated without the prior written consent of RSCCL. An executed copy of each of such agreements/contracts shall, immediately upon execution be submitted by MSI to RSCCL.
- 10.13. MSI shall ensure that none of the components and sub-components is declared end- of-sale or end-of-support by the respective OEM at the time of submission of bid. If the OEM declares any of the products/ solutions end-of-sale

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

subsequently, the MSI shall ensure that the same is supported by the respective OEM for contract period.

- 10.14. If a product is de-supported by the OEM for any reason whatsoever, from the date of Acceptance of the System till the end of contract, MSI should replace the products/ solutions with an alternate that is acceptable to RSCCL at no additional cost to RSCCL and without causing any performance degradation.
- 10.15. The Licenses will be in the name of RSCCL only.
- 10.16. MSI shall ensure that the OEMs provide the support and assistance to MSI in case of any problems / issues arising due to integration of components supplied by him with any other component(s)/ product(s) under the purview of the overall solution. If the same is not resolved for any reason whatsoever, MSI shall replace the required component(s) with an equivalent or better substitute that is acceptable to RSCCL without any additional cost to RSCCL and without impacting the performance of the solution in any manner whatsoever.
- 10.17. MSI shall ensure that the OEMs for hardware servers/equipment supply and/or install all type of updates, patches, fixes and/or bug fixes for the firmware or software from time to time at no additional cost to RSCCL.
- 10.18. MSI shall ensure that the OEMs for hardware servers/ equipment or MSI's trained engineers conduct the preventive maintenance on a Quarterly basis and break-fix maintenance in accordance with the best practices followed in the industry. MSI shall ensure that the documentation and training services associated with the components shall be provided by the OEM partner or OEM's certified training partner without any additional cost to RSCCL.
- 10.19. The training has to be conducted using official OEM course curriculum mapped with the hardware / Software Product's to be implemented in the project.
- 10.20. MSI and their personnel/representative shall not alter / change / replace any hardware component proprietary to RSCCL and/or under warranty or O&M of third party without prior consent of RSCCL.
- 10.21. MSI shall provision the required critical spares/ components at the designated Information Processing Facility / Data Center Sites / office locations of RSCCL for meeting the uptime commitment of the components supplied by him.
- 10.22. MSI's representative(s) shall have all the powers requisite for the execution of scope of work and performance of services under this contract. MSI's representative(s) shall liaise with RSCCL's representative for the proper coordination and timely completion of the works and on any other matters pertaining to the works. MSI shall extend full co-operation to RSCCL's representative in the manner required by them for supervision/ inspection/ observation of the equipment/ goods/ material, procedures, performance, progress, reports and records pertaining to the works. He shall also have complete charge of MSI's personnel engaged in the performance of the works and to ensure compliance of rules, regulations and safety practice. He shall also cooperate with the other Service Providers/Vendors of RSCCL working at RSCCL's office locations & field locations and DC, Cloud and DRC sites. Such MSI's representative(s) shall be available to RSCCL's Representative at respective Data

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

center during the execution of works.

10.23. RSCCL reserves the right to review, approve and require amendment of the terms of any Contract or agreements entered into by the MSI as a consortium or through any of its members and no such agreement/contract shall be executed, amended, modified and/or terminated without the prior written consent of RSCCL. An executed copy of each of such agreements/contracts shall, immediately upon execution be submitted by MSI to RSCCL. Further, wherever desired by RSCCL, Tri-partite agreement/ contract shall be executed.

10.24. MSI shall be responsible on an ongoing basis for coordination with other vendors and agencies of RSCCL in order to resolve issues and oversee implementation of the same. MSI shall also be responsible for resolving conflicts between vendors in case of borderline integration issues.

10.25. MSI would set up a project office in Ranchi. The technical manpower deployed on the project should work from the same office. However, some resources may be required to work from the client office during the contract period.

10.26. Access to Sites

10.26.1. Sites would include Network Operations Center (NOC), Data Center, Command Control and Communication Center etc.

10.26.2. RSCCL's representative upon receipt of request from MSI intimating commencement of activities at various locations shall give to MSI access to as much of the Sites as may be necessary to enable MSI to commence and proceed with the installation of the works in accordance with the program of work. Any reasonable proposal of MSI for access to Site to proceed with the installation of work in accordance with the program of work shall be considered for approval and shall not be unreasonably withheld by RSCCL. Such requests shall be made to RSCCL's representative in writing at least 7 days prior to start of the work.

10.26.3. At the site locations, RSCCL's representative shall give to MSI access to as much as may be necessary to enable MSI to commence and proceed with the installation of the works in accordance with the program of work or for performance of Facilities Management Services.

10.27. Start of Installation

10.27.1. MSI shall co-ordinate with RSCCL and stakeholders for the complete setup of sites before commencement of installation of other areas as mentioned in Section 3: of the RFP Volume I document. MSI shall also co-ordinate regarding Network / Bandwidth connectivity in order to prepare the installation plan and detailed design / architectural design documents.

10.27.2. As per TRAI guidelines, resale of bandwidth connectivity is not allowed. In such a case tri-partite agreement should be formed between RSCCL, selected MSI and Internet Service Provider(s).

10.27.3. The plan and design documents thus developed shall be submitted by MSI for approval by RSCCL.

10.27.4. After obtaining the approval from RSCCL, MSI shall commence the installation.

10.28. Reporting Progress

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

- 10.28.1. MSI shall monitor progress of all the activities related to the execution of this contract and shall submit to RSCCL, progress reports with reference to all related work, milestones and their progress during the implementation phase.
- 10.28.2. Formats for all above mentioned reports and their dissemination mechanism shall be discussed and finalized along with project plan. RSCCL on mutual agreement between both parties may change the formats, periodicity and dissemination mechanism for such reports.
- 10.28.3. Periodic review meetings shall be held between the representatives of RSCCL and MSI once in every 7 days during the implementation phase to discuss the progress of implementation. After the implementation phase is over, the meeting shall be held as an ongoing basis, as desired by RSCCL, to discuss the performance of the contract.
- 10.28.4. MSI shall ensure that the respective solution teams involved in the execution of work are part of such meetings.
- 10.28.5. Several review committees involving representative of RSCCL and senior officials of MSI shall be formed for the purpose of this project. These committees shall meet at intervals, as decided by RSCCL later, to oversee the progress of the implementation.
- 10.28.6. All the goods, services and manpower to be provided / deployed by MSI under the Contract and the manner and speed of execution and maintenance of the work and services are to be conducted in a manner to the satisfaction of RSCCL's representative in accordance with the Contract.
- 10.28.7. RSCCL reserves the right to inspect and monitor/ assess the progress/ performance of the work / services at any time during the course of the Contract. RSCCL may demand and upon such demand being made, MSI shall provide documents, data, material or any other information which RSCCL may require, to enable it to assess the progress/ performance of the work / service.
- 10.28.8. At any time during the course of the Contract, RSCCL shall also have the right to conduct, either itself or through another agency as it may deem fit, an audit to monitor the project performance by MSI of its obligations/ functions in accordance with the standards committed to or required by RSCCL and MSI undertakes to cooperate with and provide to RSCCL/ any other agency appointed by RSCCL, all Documents and other details as may be required by them for this purpose. Such audit shall not include MSI's books of accounts.
- 10.28.9. Should the rate of progress of the works or any part of them at any time fall behind the stipulated time for completion or is found to be too slow to ensure completion of the works by the stipulated time, or is in deviation to Tender requirements/ standards, RSCCL's representative shall so notify MSI in writing.
- 10.28.10. MSI shall reply to the written notice giving details of the measures he proposes to take to expedite the progress so as to complete the works by the prescribed time or to ensure compliance to RFP requirements. MSI shall not be entitled to any additional payment for taking such steps. If at any time it should appear to RSCCL or RSCCL's representative that the actual progress of work does not conform to the approved plan MSI shall produce at the request of RSCCL's representative a revised plan showing the modification to the approved plan

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

necessary to ensure completion of the works within the time for completion or steps initiated to ensure compliance to the stipulated requirements.

10.28.11. The submission seeking approval by RSCCL or RSCCL's representative of such plan shall not relieve MSI of any of his duties or responsibilities under the Contract.

10.28.12. In case during execution of works, the progress falls behind schedule or does not meet the RFP requirements, MSI shall deploy extra manpower/ resources to make up the progress or to meet the RFP requirements. Plan for deployment of extra man power/ resources shall be submitted to RSCCL for its review and approval. All time and cost effect in this respect shall be borne, by MSI within the contract value.

10.29. Knowledge of Data Center, Command Control and Communication Center, Network Operations Center (NOC) etc.

10.29.1. MSI shall be granted access to the Network Operations Center (NOC), Data Center, Command Control and Communication Center etc. for inspection by RSCCL before commencement of installation. The plan shall be drawn mutually at a later stage.

10.29.2. MSI shall be deemed to have knowledge of the Network Operating Center (NOC), Data Center, Command Control and Communication Center etc. and its surroundings and information available in connection therewith and to have satisfied itself the form and nature thereof including, the data contained in the Bidding Documents, the physical and climatic conditions, the quantities and nature of the works and materials necessary for the completion of the works, the means of access, etc. and in general to have obtained itself all necessary information of all risks, contingencies and circumstances affecting his obligations and responsibilities therewith under the Contract and his ability to perform it. However, if during pre-installation survey / during delivery or installation, MSI detects physical conditions and/or obstructions affecting the work, MSI shall take all measures to overcome them.

10.30. Project Plan

10.30.1. Within 15 calendar days of effective date of the contract/ Issuance of LoA, MSI shall submit to RSCCL for its approval a detailed Project Plan with details of the project showing the sequence, procedure and method in which he proposes to carry out the works. The Plan so submitted by MSI shall conform to the requirements and timelines specified in the Contract. RSCCL and MSI shall discuss and agree upon the work procedures to be followed for effective execution of the works, which MSI intends to deploy and shall be clearly specified. The Project Plan shall include but not limited to project organization, communication structure, proposed staffing, roles and responsibilities, processes and tool sets to be used for quality assurance, security and confidentiality practices in accordance with industry best practices, project plan and delivery schedule in accordance with the Contract. Approval by RSCCL's representative of the Project Plan shall not relieve MSI of any of his duties or responsibilities under the Contract.

10.30.2. If MSI's work plans necessitate a disruption/ shutdown in RSCCL's operation, the plan shall be mutually discussed and developed so as to keep such

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

disruption/shutdown to the barest unavoidable minimum. Any time and cost arising due to failure of MSI to develop/adhere such a work plan shall be to his account.

10.31. Adherence to safety procedures, rules regulations and restriction

10.31.1. MSI's Team shall comply with the provision of all laws including labour laws, rules, regulations and notifications issued there under from time to time. All safety and labour laws enforced by statutory agencies and by RSCCL shall be applicable in the performance of this Contract and MSI's Team shall abide by these laws.

10.31.2. Access to the Network Operations Center (NOC), Data Center, Command Control and Communication Center etc. shall be strictly restricted. No access to any person except the essential members of MSI's Team who are authorized by RSCCL and are genuinely required for execution of work or for carrying out management/ maintenance shall be allowed entry. Even if allowed, access shall be restricted to the pertaining equipment of RSCCL only. MSI shall maintain a log of all activities carried out by each of its team personnel.

10.31.3. No access to any staff of MSI, except the essential staff who has genuine work- related need, should be given. All such access should be logged in a loss free manner for permanent record with unique biometric identification of the staff to avoid misrepresentations or mistakes

10.31.4. MSI shall take all measures necessary or proper to protect the personnel, work and facilities and shall observe all reasonable safety rules and instructions. MSI's Team shall adhere to all security requirement/ regulations of RSCCL during the execution of the work. RSCCL's employee also shall comply with safety procedures/ policy.

10.31.5. MSI shall report as soon as possible any evidence, which may indicate or is likely to lead to an abnormal or dangerous situation and shall take all necessary emergency control steps to avoid such abnormal situations.

10.32. Statutory Requirements

10.32.1. During the tenure of this Contract nothing shall be done by MSI or his team including consortium in contravention of any law, act and/ or rules/regulations, there under or any amendment thereof governing inter-alia customs, stowaways, foreign exchange etc. and shall keep RSCCL indemnified in this regard.

11 RSCCL's Obligations

11.1. RSCCL or his/her nominated representative shall act as the nodal point for implementation of the contract and for issuing necessary instructions, approvals, commissioning, acceptance certificates, payments etc. to MSI.

11.2. RSCCL shall ensure that timely approval is provided to MSI as and when required, which may include approval of project plans, implementation methodology, design documents, specifications, or any other document necessary in fulfillment of this contract.

11.3. RSCCL's representative shall interface with MSI, to provide the required information, clarifications, and to resolve any issues as may arise during the

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

execution of the Contract. RSCCL shall provide adequate cooperation in providing details, coordinating and obtaining of approvals from various governmental agencies, in cases, where the intervention of RSCCL is proper and necessary.

- 11.4. RSCCL may provide on MSI's request, particulars/ information/ or documentation that may be required by MSI for proper planning and execution of work and for providing services covered under this contract and for which MSI may have to coordinate with respective vendors.
- 11.5. RSCCL shall provide to MSI only sitting space and basic infrastructure not including, stationery and other consumables at RSCCL's office locations.
- 11.6. RSCCL reserves the right to procure the hardware including devices on quarterly basis in first year based on actual deployment and O&M shall be applicable whenever the devices are procured and deployed till end of the contract.
- 11.7. Site Not Ready: RSCCL hereby agrees to make the project sites ready as per the agreed specifications, within the agreed timelines. RSCCL agrees that MSI shall not be in any manner liable for any delay arising out of RSCCL's failure to make the site ready within the stipulated period.
- 11.8 Dependencies: RSCCL hereby agrees to make available the necessary project dependencies identified and prepared by the MSI within the comprehensive project plan such as but not limited to input information, approvals etc. RSCCL agrees that MSI shall not be in any manner liable for any delay arising out of RSCCL's failure to provide the necessary information within the stipulated time period as deemed reasonable by all concerned parties.

12 Payments

- 12.1. RSCCL shall make payments to MSI at the times and in the manner set out in the Payment schedule as specified Section 1.3 in RFP Volume II subject to the penalties as mentioned under Clause 42 of Section C - Service Levels of Volume III. RSCCL shall make all efforts to make payments to MSI within 60 calendar days of receipt of invoice(s) and all necessary supporting documents.
- 12.2. All payments agreed to be made by RSCCL to MSI in accordance with the Bid shall be inclusive of all statutory levies, duties, taxes and other charges whenever levied/applicable, if any, and RSCCL shall not be liable to pay any such levies/ other charges under or in relation to this Contract and/or the Services.
- 12.3. No invoice for extra work/change order on account of change order shall be submitted by MSI unless the said extra work /change order has been authorized/approved by RSCCL in writing in accordance with Change Control Note (Annexure I of this section of the RFP Volume II) .
- 12.4. In the event of RSCCL noticing at any time that any amount has been disbursed wrongly to MSI or any other amount is due from MSI to RSCCL, RSCCL may without prejudice to its rights recover such amounts by other means after notifying MSI or deduct such amount from any payment falling due to MSI. The details of such recovery, if any, shall be intimated to MSI. MSI shall receive the payment of undisputed amount under subsequent invoice for any amount that has been omitted in previous invoice by mistake on the part of RSCCL or MSI.

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

12.5. All payments to MSI shall be subject to the deductions of tax at source under Income Tax Act, and other taxes and deductions as provided for under any law, rule or regulation. All costs, damages or expenses which RSCCL may have paid or incurred, for which under the provisions of the Contract, MSI is liable, the same shall be deducted by RSCCL from any dues to MSI. All payments to MSI shall be made after making necessary deductions as per terms of the Contract and recoveries towards facilities, if any, provided by RSCCL to MSI on chargeable basis.

13 Intellectual Property Rights

13.1. Retention of Ownership except for the rights expressly granted to the Licensee under this Agreement, the Licensor shall retain all right, title and interest in and to the Licensed Technology, including all worldwide Technology and intellectual property and proprietary rights.

13.2. Preservation of Notice Licensee shall not remove, efface or obscure any copyright notices or other proprietary notices or legends from any Licensed Technology or materials provided under this Agreement, and shall reproduce all such notices and legends when incorporating Licensed Technology or materials into any Integrated Products.

13.3. MSI must ensure that while using any software, hardware, processes, document or material in the course of performing the Services, it does not infringe the Intellectual Property Rights of any person/Company. MSI shall keep RSCCL indemnified against all costs, expenses and liabilities howsoever, arising out any illegal or unauthorized use (piracy) or in connection with any claim or proceedings relating to any breach or violation of any permission/license terms or infringement of any Intellectual Property Rights by MSI or MSI's Team during the course of performance of the Services. MSI's liability is excluded regarding any claim based on any of the following (a) anything RSCCL provides which is incorporated into the Solution; (b) RSCCL's modification of the solution; (c) the combination, operation, or use of the solution with other materials, if the third party claim has been caused by the combination, operation or use of the solution

13.4. RSCCL shall own and have a right in perpetuity to use all newly created Intellectual Property Rights which have been developed solely during execution of this Contract, including but not limited to all processes, products, specifications, reports and other documents which have been newly created and developed by MSI solely during the performance of Services and for the purposes of inter-alia use or sub-license of such Services under this Contract. MSI undertakes to disclose all such Intellectual Property Rights arising in performance of the Services to RSCCL, execute all such agreements/documents and obtain all permits and approvals that may be necessary in regard to the Intellectual Property Rights of RSCCL.

13.5. If RSCCL desires, MSI shall be obliged to ensure that all approvals, registrations, licenses, permits and rights etc. which are inter-alia necessary for use of the goods supplied / installed by MSI, the same shall be acquired in the name of RSCCL, prior to termination of this Contract and which may be assigned by RSCCL to MSI for the purpose of execution of any of its obligations under the terms of the Bid, Tender or this Contract. However, subsequent to the term of this

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

Contract, such approvals, registrations, licenses, permits and rights etc. shall endure to the exclusive benefit of RSCCL.

- 13.6. SI shall not copy, reproduce, translate, adapt, vary, modify, disassemble, decompile or reverse engineer or otherwise deal with or cause to reduce the value of the Materials except as expressly authorized by RSCCL in writing.

14 Taxes

- 14.1. Successful bidder shall fully familiarize itself about the applicable Domestic taxes (such as GST, Income Tax, duties, fees, levies, etc.) on amount payable by RSCCL under the contract. The successful bidder shall pay such domestic tax, duties, fees and other impositions (wherever applicable) levied under the applicable law
- 14.2 MSI shall bear all personnel taxes levied or imposed on its personnel, or any other member of MSI's Team, etc. on account of payment received under this Contract. MSI shall bear all corporate taxes, levied or imposed on MSI on account of payments received by it from RSCCL for the work done under this Contract.
- 14.3. MSI shall bear all taxes and duties etc. levied or imposed on MSI under the Contract on account of material supplied and services rendered and payments received by him from RSCCL under the Contract. It shall be the responsibility of MSI to submit to the concerned Indian authorities the returns and all other connected documents required for this purpose. MSI shall also provide RSCCL such information, as it may be required in regard to MSI's details of payment made by RSCCL under the Contract for proper assessment of taxes and duties. The amount of tax withheld by RSCCL shall at all times be in accordance with Indian Tax Law and RSCCL shall promptly furnish to MSI original certificates for tax deduction at source and paid to the Tax Authorities.
- 14.4. MSI agrees that he shall comply with the Indian Income Tax Act in force from time to time and pay Indian Income Tax, as may be imposed/ levied on them by the Indian Income Tax Authorities, for the payments received by them for the works under the Contract.
- 14.5. If MSI fails to submit returns/pay taxes in times as stipulated under applicable Indian/State Tax Laws and consequently any interest or penalty is imposed by the concerned RSCCL, MSI shall pay the same. MSI shall indemnify RSCCL against any and all liabilities or claims arising out of this Contract for such taxes including interest and penalty by any such Tax RSCCL may assess or levy against RSCCL/MSI.
- 14.6. RSCCL shall if so required by applicable laws in force, at the time of payment, deduct income tax payable by MSI at the rates in force, from the amount due to MSI and pay to the concerned tax RSCCL directly.

15 Indemnity

- 15.1. MSI shall indemnify RSCCL from and against any costs, loss, damages, expense, claims including those from third parties or liabilities of any kind howsoever suffered, arising or incurred inter alia during and after the Contract period out of:
- any negligence or wrongful act or omission by MSI or any third party

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

associated with MSI in connection with or incidental to this Contract; or

- any breach of any of the terms of MSI's bid as agreed, the RFP and this Contract by MSI
- any infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied goods and related services or any part thereof

15.2. SI shall also indemnify RSCCL against any privilege, claim or assertion made by a third party with respect to right or interest in, ownership, mortgage or disposal of any asset, property etc.

15.3. Regardless of anything contained (except for MSI's liability for bodily injury and/ or damage to tangible and real property for which it is legally liable and it's liability for patent and copyright infringement in accordance with the terms of this Agreement) the total liability of MSI, is restricted to the total value of the contract.

16 Warranty

16.1. A comprehensive warranty applicable on goods supplied under this contract shall be provided for the period of contract from the date of acceptance of respective system by RSCCL.

16.2. Technical Support for Software applications shall be provided by the respective OEMs for the period of contract. The Technical Support should include all upgrades, updates and patches to the respective Software applications.

16.3. The MSI warrants that the Goods supplied under the Contract are new, non-refurbished, unused and recently manufactured; shall not be nearing End of sale / End of support; and shall be supported by the MSI and respective OEM along with service and spares support to ensure its efficient and effective operation for the entire duration of the contract.

16.4. The MSI warrants that the goods supplied under this contract shall be of the highest grade and quality and consisted with the established and generally accepted standards for materials of this type. The goods shall be in full conformity with the specifications and shall operate properly and safely. All recent design improvements in goods, unless provided otherwise in the Contract, shall also be made available.

16.5. The MSI further warrants that the Goods supplied under this Contract shall be free from all encumbrances and defects/faults arising from design, material, manufacture or workmanship (except insofar as the design or material is required by RSCCL's Specifications) or from any act or omission of the MSI, that may develop under normal use of the supplied Goods in the conditions prevailing at the respective Command Control and Communication Center/ Datacenter / NOC Sites.

16.6. RSCCL shall promptly notify the MSI in writing of any claims arising under this warranty.

16.7. Upon receipt of such notice, the MSI shall, with all reasonable speed, repair or replace the defective Goods or parts thereof, without prejudice to any other rights

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

which RSCCL may have against the MSI under the Contract.

16.8. If the MSI, having been notified, fails to remedy the defect(s) within a reasonable period, RSCCL may proceed to take such remedial action as may be necessary, at the MSI's risk and expense and without prejudice to any other rights which RSCCL may have against the MSI under the Contract.

16.9. Any OEM specific warranty terms that do not conform to conditions under this Contract shall not be acceptable

17 Term and Extension of the Contract

17.1. The Contract period shall commence from the date of signing of contract, and shall remain valid for 60 Months from the date of Go Live of the system.

17.2. If the delay occurs due to circumstances beyond control of MSI such as strikes, lockouts, fire, accident, defective materials, delay in approvals or any cause whatsoever beyond the reasonable control of MSI, a reasonable extension of time shall be granted by RSCCL.

17.3. RSCCL shall reserve the sole right to grant any extension to the term abovementioned and shall notify in writing to MSI, at least 3 (three) months before the expiration of the Term hereof, whether it shall grant MSI an extension of the Term. The decision to grant or refuse the extension shall be at RSCCL's discretion and such extension of the contract, if any, shall be as per terms agreed mutually between RSCCL and MSI.

17.4. Where RSCCL is of the view that no further extension of the term be granted to MSI, RSCCL shall notify MSI of its decision at least 3 (three) months prior to the expiry of the Term. Upon receipt of such notice, MSI shall continue to perform all its obligations hereunder, until such reasonable time beyond the Term of the Contract within which, RSCCL shall either appoint an alternative agency/MSI or create its own infrastructure to operate such Services as are provided under this Contract.

18 Dispute Resolution

18.1. In case, a dispute is referred to arbitration, the arbitration shall be under the Indian Arbitration and Conciliation Act, 1996 and any statutory modification or re-enactment thereof.

18.2. If during the subsistence of this Contract or thereafter, any dispute between the Parties hereto arising out of or in connection with the validity, interpretation, implementation, material breach or any alleged material breach of any provision of this Contract or regarding any question, including as to whether the termination of this Contract by one Party hereto has been legitimate, the Parties hereto shall endeavor to settle such dispute amicably and/or by Conciliation to be governed by the Arbitration and Conciliation Act, 1996 or as may be agreed to between the Parties. The attempt to bring about an amicable settlement is considered to have failed as soon as one of the Parties hereto, after reasonable attempts; which attempt shall continue for not less than thirty (30) days, gives thirty (30) day notice to refer the dispute to arbitration to the other Party in writing.

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

- 18.3. The Arbitration proceedings shall be governed by the Arbitration and Conciliation Act, 1996.
- 18.4. The Arbitration proceedings shall be held in Ranchi, Jharkhand, India.
- 18.5. The Arbitration proceeding shall be governed by the substantive laws of India.
- 18.6. The proceedings of Arbitration shall be in Hindi/English language.
- 18.7. Except as otherwise provided elsewhere in the contract if any dispute, difference, question or disagreement arises between the parties hereto or their respective representatives or assignees, at any time in connection with construction, meaning, operation, effect, interpretation or out of the contract or breach thereof the same shall be referred to a Tribunal of three (3) Arbitrators, constituted as per the terms of and under the (Indian) Arbitration and Conciliation Act, 1996. Each party to the contract shall appoint/ nominate one Arbitrator each, the two Arbitrators so appointed/ nominated by the Parties herein shall together choose the third Arbitrator, who shall be the Presiding Arbitrator of the Tribunal. The consortium of the three Arbitrators shall form the Arbitral Tribunal.
- 18.8. In case, a party fails to appoint an arbitrator within 30 days from the receipt of the request to do so by the other party or the two Arbitrators so appointed fail to agree on the appointment of third Arbitrator within 30 days from the date of their appointment upon request of a party, the Chief Justice of the Ranchi High Court or any person or institution designated by him shall appoint the Arbitrator/Presiding Arbitrator upon request of one of the parties.
- 18.9. Any letter, notice or other communications dispatched to MSI relating to either arbitration proceeding or otherwise whether through the post or through a representative on the address last notified to RSCCL by MSI shall be deemed to have been received by MSI although returned with the remarks, refused 'undelivered' where about not known or words to that effect or for any other reasons whatsoever.
- 18.10. If the Arbitrator so appointed dies, resigns, incapacitated or withdraws for any reason from the proceedings, it shall be lawful for RSCCL to appoint another person in his place in the same manner as aforesaid. Such person shall proceed with the reference from the stage where his predecessor had left if both parties consent for the same; otherwise, he shall proceed de novo.
- 18.11. It is a term of the contract that the party invoking arbitration shall specify all disputes to be referred to arbitration at the time of invocation of arbitration and not thereafter.
- 18.12. It is also a term of the contract that neither party to the contract shall be entitled for any interest on the amount of the award.
- 18.13. The Arbitrator shall give reasoned award and the same shall be final, conclusive and binding on the parties.
- 18.14. The fees of the arbitrator, costs and other expenses incidental to the arbitration proceedings shall be borne equally by the parties.

19 Time is of the essence

19.1. Time shall be of the essence in respect of any date or period specified in this Contract or any notice, demand or other communication served under or pursuant to any provision of this Contract and in particular in respect of the completion of the activities by MSI by the specified completion date.

20 Conflict of interest

20.1. MSI shall disclose to RSCCL in writing, all actual and potential conflicts of interest that exist, arise or may arise (either for MSI or MSI's Team) in the course of performing the Services as soon as practical after it becomes aware of that conflict.

21 Publicity

21.1. MSI shall not make or permit to be made a public announcement or media release about any aspect of this Contract unless RSCCL first gives MSI its written consent.

22 Force Majeure

22.1. Force Majeure shall not include any events caused due to acts/ omissions of MSI resulting in a breach/ contravention of any of the terms of the Contract and/or MSI's Bid. It shall also not include any default on the part of MSI due to its negligence or failure to implement the stipulated/ proposed precautions, as were required to be taken under the Contract.

22.2. The failure or occurrence of a delay in performance of any of the obligations of either party shall constitute a Force Majeure event only where such failure or delay could not have reasonably been foreseen war or hostility, acts of the public enemy, civil commotion, sabotage, fires, floods, Vandalism(due to Law & Order situation), Terrorism, explosions, epidemics, quarantine restriction, strikes, lockouts or act of God (hereinafter referred to as events) , or where despite the presence of adequate and stipulated safeguards the failure to perform obligations has occurred at any location in scope.. In such an event, the affected party shall inform the other party in writing within five days of the occurrence of such event. Any failure or lapse on the part of MSI in performing any obligation as is necessary and proper, to negate the damage due to projected force majeure events or to mitigate the damage that may be caused due to the above mentioned events or the failure to provide adequate disaster management/ recovery or any failure in setting up a contingency mechanism would not constitute force majeure, as set out above.

22.3. In case of a Force Majeure, all Parties shall endeavor to agree on an alternate mode of performance in order to ensure the continuity of service and implementation of the obligations of a party under the Contract and to minimize any adverse consequences of Force Majeure.

23 Delivery

23.1. MSI shall bear the cost for packing, transport, insurance, storage and delivery

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

of all the goods for “Request for Proposals for Selection of Master System Integrator for Implementation of Command Control and Communication Center for Ranchi City” at all locations identified by RSCCL in Ranchi or Jharkhand.

23.2. The Goods and manpower supplied under this Contract shall conform to the standards mentioned in the RFP, and, when no applicable standard is mentioned, to the authoritative standards; such standard shall be approved by RSCCL.

23.3. MSI shall only procure the hardware and software after approvals from a designated Committee/RSCCL.

24 Insurance

24.1. The Goods supplied under this Contract shall be comprehensively insured by MSI at his own cost, against any loss or damage, for the entire period of the contract. MSI shall submit to RSCCL, documentary evidence issued by the insurance company, indicating that such insurance has been taken.

24.2. MSI shall bear all the statutory levies like customs, insurance, freight, etc. applicable on the goods and also the charges like transportation charges, octroi, etc. that may be applicable till the goods are delivered at the respective sites of installation shall also be borne by MSI.

24.3. MSI shall take out and maintain at its own cost, on terms and conditions approved by RSCCL, insurance against the risks, and for the coverages, as specified below;

- a. At RSCCL's request, shall provide evidence to RSCCL showing that such insurance has been taken out and maintained and that the current premiums therefore have been paid.
- b. Employer's liability and workers' compensation insurance in respect of the Personnel of the Company, in accordance with the relevant provisions of the Applicable Law, as well as, with respect to such Personnel, any such life, health, accident, travel or other insurance as may be appropriate

25 Transfer of Ownership

25.1. MSI must transfer all titles to the assets and goods procured for the purpose of the project to RSCCL at the time of Acceptance of System. This includes all licenses, titles, source code, certificates, hardware, devices, equipment's etc. related to the system designed, developed, installed and maintained by MSI. MSI is expected to provide source code, transfer IPR and ownership right of only those solutions which would be customized by MSI for the use of RSCCL. For any pre- existing work, MSI and RSCCL shall be held jointly responsible and its use in any other project by MSI shall be decided on mutual consent.

25.2. Forthwith upon expiry or earlier termination of the Contract and at any other time on demand by RSCCL, MSI shall deliver to RSCCL all Documents provided by or originating from RSCCL and all Documents produced by or from or for MSI in the course of performing the Services, unless otherwise directed in writing by RSCCL at no additional cost. MSI shall not, without the prior written consent of RSCCL store, copy, distribute or retain any such Documents.

26 Exit Management Plan

26.1. An Exit Management plan shall be furnished by MSI in writing to RSCCL within 90 days from the date of signing the Contract, which shall deal with at least the following aspects of exit management in relation to the contract as a whole and in relation to the Project Implementation, and Service Level monitoring.

- i. A detailed program of the transfer process that could be used in conjunction with a Replacement Service Provider including details of the means to be used to ensure continuing provision of the services throughout the transfer process or until the cessation of the services and of the management structure to be used during the transfer;
- ii. Plans for provision of contingent support to Project and Replacement Service Provider for a reasonable period after transfer.
- iii. Exit Management plan in case of normal termination of Contract period
- iv. Exit Management plan in case of any eventuality due to which Project is terminated before the contract period.
- v. Exit Management plan in case of termination of MSI

26.2. Exit Management plan at the minimum adhere to the following:

- i. Three (3) months of the support to Replacement Service Provider post termination of the Contract
- ii. Complete handover of the Planning documents, bill of materials, functional requirements specification, technical specifications of all equipment's, change requests if any, sources codes, wherever applicable, reports, documents and other relevant items to the Replacement Service Provider/ RSCCL
- iii. Certificate of Acceptance from authorized representative of Replacement Service Provider issued to MSI on successful completion of handover and knowledge transfer

26.3. In the event of termination or expiry of the contract, Project Implementation, or Service Level monitoring, both MSI and RSCCL shall comply with the Exit Management Plan.

26.4. During the exit management period, MSI shall use its best efforts to deliver the services.

SECTION B: SPECIAL CONDITIONS OF CONTRACT (SCC)

27 Performance Security

27.1. MSI shall furnish Performance Security to RSCCL at the time of signing the Contract which shall be equal to 10% of the value of the Contract Value and shall be in the form of a Bank Guarantee Bond from a Nationalized / Scheduled Commercial Bank in the Performa given in Annexure 8 RFP Volume I within 15 days after issuance of letter of acceptance (LOA) which would be valid up to a period of six months after the contract completion period.

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

27.2. Liquidated Damages

27.2.1. If MSI fails to supply, install or maintain any or all of the goods as per the contract, within the time period(s) specified in the RFP Volume II, RSCCL without prejudice to its other rights and remedies under the Contract, deduct from the Contract price, as liquidated damages, a sum equivalent to 1 % per week or part thereof of contract value for a milestone.

27.2.2. The combined deductions shall not in any case exceed 10% of the total contract value.

27.2.3 RSCCL may without prejudice to its right to effect recovery by any other method, deduct the amount of liquidated damages from any money belonging to MSI in its hands (which includes RSCCL's right to claim such amount against MSI's Bank Guarantee) or which may become due to MSI. Any such recovery or liquidated damages shall not in any way relieve MSI from any of its obligations to complete the Work or from any other obligations and liabilities under the Contract.

27.2.4 Delay not attributable to MSI shall be considered for exclusion for the purpose of computing liquidated damages.

28 Limitation of Liability:

Limitation of MSI's Liability towards RSCCL:

28.1. Neither Party shall be liable to the other Party for any indirect or consequential loss or damage (including loss of revenue and profits) arising out of or relating to the Contract.

28.2. Except in case of gross negligence or wilful misconduct on the part of MSI or on the part of any person or company acting on behalf of MSI in carrying out the Services, MSI, with respect to damage caused by MSI to RSCCL's property, shall not be liable to RSCCL:

- i. for any indirect or consequential loss or damage; and
- ii. for any direct loss or damage that exceeds the total payments payable under the Contract to MSI hereunder.

28.3. This limitation of liability shall not affect MSI liability, if any, for damage to Third Parties caused by MSI or any person or company acting on behalf of MSI in carrying out the Services.

29 Ownership and Retention of Documents

29.1. RSCCL shall own the Documents, prepared by or for MSI arising out of or in connection with the Contract.

29.2. Forthwith upon expiry or earlier termination of this Contract and at any other time on demand by RSCCL, MSI shall deliver to RSCCL all documents provided by or originating from RSCCL and all documents produced by or for MSI in the course of performing the Services, unless otherwise directed in writing by RSCCL at no additional cost. MSI shall not, without the prior written consent of RSCCL store, copy, distribute or retain any such documents.

30 Information Security

- 30.1. MSI shall not carry any written/printed document, layout diagrams, CD, hard disk, storage tapes, other storage devices or any other goods /material proprietary to RSCCL into / out of any location without written permission from RSCCL.
- 30.2. MSI shall not destroy any unwanted documents, defective tapes/media present at any location on their own. All such documents, tapes/media shall be handed over to RSCCL.
- 30.3. All documentation and media at any location shall be properly identified, labeled and numbered by MSI. MSI shall keep track of all such items and provide a summary report of these items to RSCCL whenever asked for.
- 30.4. Access to RSCCL's data and systems, Internet facility by MSI at any location shall be in accordance with the written permission by RSCCL. RSCCL shall allow MSI to use facility in a limited manner subject to availability. It is the responsibility of MSI to prepare and equip himself in order to meet the requirements.
- 30.5. MSI must acknowledge that RSCCL's business data and other RSCCL proprietary information or materials, whether developed by RSCCL or being used by RSCCL pursuant to a license agreement with a third party (the foregoing collectively referred to herein as "proprietary information") are confidential and proprietary to RSCCL; and MSI along with its team agrees to use reasonable care to safeguard the proprietary information and to prevent the unauthorized use or disclosure thereof, which care shall not be less than that used by MSI to protect its own proprietary information. MSI recognizes that the goodwill of RSCCL depends, among other things, upon MSI keeping such proprietary information confidential and that unauthorized disclosure of the same by MSI or its team could damage the goodwill of RSCCL, and that by reason of MSI's duties hereunder. MSI may come into possession of such proprietary information, even though MSI does not take any direct part in or furnish the services performed for the creation of said proprietary information and shall limit access thereto to employees with a need to such access to perform the services required by this agreement. MSI shall use such information only for the purpose of performing the said services.
- 30.6. MSI shall, upon termination of this agreement for any reason, or upon demand by RSCCL, whichever is earliest, return any and all information provided to MSI by RSCCL, including any copies or reproductions, both hardcopy and electronic.
- 30.7. By virtue of the Contract, MSI team may have access to personal information of RSCCL and/or a third party. RSCCL has the sole ownership of and the right to use, all such data in perpetuity including any data or other information pertaining to the citizens that may be in the possession of MSI team in the course of performing the Services under the Contract.

31 Records of contract documents

- 31.1. MSI shall at all-time make and keep sufficient copies of the process manuals, operating procedures, specifications, Contract documents and any other documentation for him to fulfil his duties under the Contract.

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

31.2. MSI shall keep on the Site at least three copies of each and every specification and Contract Document, in excess of his own requirement and those copies shall be available at all times for use by RSCCL's Representative and by any other person authorized by RSCCL's Representative.

32 Security and Safety

32.1. MSI shall comply with the directions issued from time to time by RSCCL and the standards related to the security and safety, in so far as it applies to the provision of the Services.

32.2. MSI shall upon reasonable request by RSCCL, or its nominee(s) participate in regular meetings when safety and information technology security matters are reviewed.

33 Confidentiality

33.1. MSI shall not, either during the term or after expiration of this Contract, disclose any proprietary or confidential information relating to the Services/Contract and/or RSCCL's business/ operations, information, Application/software, hardware, business data, architecture schematics, designs, storage media and other information / documents without the prior written consent of RSCCL.

33.2. RSCCL reserves the right to adopt legal proceedings, civil or criminal, against MSI in relation to a dispute arising out of breach of obligation by MSI under this clause.

33.3. MSI shall do everything reasonably possible to preserve the confidentiality of the Confidential Information including execution of a confidentiality agreement with RSCCL to the satisfaction of RSCCL.

33.4. MSI shall notify RSCCL promptly if it is aware of any disclosure of the Confidential Information otherwise than as permitted by the Contract or with RSCCL of RSCCL.

33.5. MSI shall be liable to fully recompense RSCCL for any loss of revenue arising from breach of confidentiality.

34 Termination

RSCCL may, terminate this Contract in whole or in part by giving MSI a prior and written notice indicating its intention to terminate the Contract under the following circumstances:

34.1. Where RSCCL is of the opinion that there has been such Event of Default on the part of MSI/MSI's Team which would make it proper and necessary to terminate this Contract and may include failure on the part of MSI to respect any of its commitments with regard to any part of its obligations under its Bid, the RFP or under this Contract.

34.2. Where it comes to RSCCL's attention that MSI (or MSI's Team) is in a position of actual conflict of interest with the interests of RSCCL, in relation to any of terms of MSI's Bid, the RFP or this Contract.

34.3. Where MSI's ability to survive as an independent corporate entity is threatened

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

or is lost owing to any reason whatsoever, including inter-alia the filing of any bankruptcy proceedings against MSI, any failure by MSI to pay any of its dues to its creditors, the institution of any winding up proceedings against MSI or the happening of any such events that are adverse to the commercial viability of MSI. In the event of the happening of any events of the above nature, RSCCL shall reserve the right to take any steps as are necessary, to ensure the effective transition of the sites pilot site to a successor agency, and to ensure business continuity

- 34.4. Termination for Insolvency: RSCCL may at any time terminate the Contract by giving written notice to MSI, without compensation to MSI, if MSI becomes bankrupt or otherwise insolvent, provided that such termination shall not prejudice or affect any right of action or remedy which has accrued or shall accrue thereafter to RSCCL.
- 34.5. MSI may, subject to approval by RSCCL, terminate this Contract before the expiry of the term by giving RSCCL a prior and written notice at least 3 months in advance indicating its intention to terminate the Contract.

35 Consequence of Termination

- 35.1. In the event of termination of the Contract due to any cause whatsoever, whether consequent to the stipulated Term of the Contract or otherwise RSCCL shall be entitled to impose any such obligations and conditions and issue any clarifications as may be necessary to ensure an efficient transition and effective business continuity of the project which MSI shall be obliged to comply with and take all available steps to minimize loss resulting from that termination/breach, and further allow and provide all such assistance to RSCCL and/ or the successor agency/ service provider, as may be required, to take over the obligations of MSI in relation to the execution/continued execution of the requirements of the Contract.
- 35.2. Where the termination of the Contract is prior to its stipulated term on account of a Default on the part of MSI or due to the fact that the survival of MSI as an independent corporate entity is threatened/has ceased, or for any other reason, whatsoever, RSCCL, through unilateral re-determination of the consideration payable to MSI, shall pay MSI for that part of the Services which have been authorized by RSCCL and satisfactorily performed by MSI up to the date of termination. Without prejudice to any other rights, RSCCL may retain such amounts from the payment due and payable by RSCCL to MSI as may be required to offset any losses caused to RSCCL as a result of any act/omissions of MSI. In case of any loss or damage due to default on the part of MSI in performing any of its obligations with regard to executing the Schedule of Requirements under the contract, MSI shall compensate RSCCL for any such loss, damages or other costs, incurred by RSCCL. Additionally, members of its team shall perform all its obligations and responsibilities under the Contract in an identical manner as were being performed before the collapse of MSI as described above in order to execute an effective transition and to maintain business continuity. All third parties shall continue to perform all/any functions as stipulated by RSCCL and as may be proper and necessary to execute the Schedule of Requirements under the Contract in terms of MSI's Bid, the Bid Document and the Contract

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

- 35.3. Nothing herein shall restrict the right of RSCCL to invoke the Bank Guarantee and other Guarantees furnished hereunder and pursue such other rights and/or remedies that may be available to RSCCL under law.
- 35.4. The termination hereof shall not affect any accrued right or liability of either Party nor affect the operation of the provisions of the Contract that are expressly or by implication intended to come into or continue in force on or after such termination.

36 Events of Default by MSI

The failure on the part of MSI to perform any of its obligations or comply with any of the terms of this Contract shall constitute an Event of Default on the part of MSI. The events of default are but not limited to:

- 36.1. MSI/ MSI's Team has failed to perform any instructions or directives issued by RSCCL which it deems proper and necessary to execute the scope of work or provide services under the Contract, or
- 36.2. MSI/ MSI's Team has failed to confirm / adhere to any of the key performance indicators as laid down in the Key Performance Measures / Service Levels, or if MSI has fallen short of matching such standards / benchmarks / targets as RSCCL may have designated with respect to the system or any goods, task or service, necessary for the execution of the scope of work and performance of services under this Contract. The above mentioned failure on the part of MSI may be in terms of failure to adhere to performance, quality, timelines, specifications, requirements or any other criteria as defined by RSCCL;
- 36.3. MSI has failed to remedy a defect or failure to perform its obligations in accordance with the specifications issued by RSCCL, despite being served with a default notice which laid down the specific deviance on the part of MSI/MSI's Team to comply with any stipulations or standards as laid down by RSCCL; or
- 36.4. MSI/MSI's Team has failed to adhere to any amended direction, instruction, modification or clarification as issued by RSCCL during the term of this Contract and which RSCCL deems proper and necessary for the execution of the scope of work under this Contract
- 36.5. MSI/MSI's Team has failed to demonstrate or sustain any representation or warranty made by it in this Contract, with respect to any of the terms of its Bid, the RFP and this Contract
- 36.6. There is a proceeding for bankruptcy, insolvency, winding up or there is an appointment of receiver, liquidator, assignee, or similar official against or in relation to MSI.
- 36.7. MSI/ MSI's Team has failed to comply with or is in breach or contravention of any applicable laws.
- 36.8. Where there has been an occurrence of such defaults inter alia as stated above, RSCCL shall issue a notice of default to MSI, setting out specific defaults / deviances / omissions / non-compliances / non-performances and providing a notice of thirty (30) days to enable such defaulting party to remedy the default committed.

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

36.9. Where despite the issuance of a default notice to MSI by RSCCL, MSI fails to remedy the default to the satisfaction of RSCCL, RSCCL may, where it deems fit, issue to the defaulting party another default notice or proceed to contract termination.

37 Change Control Note (CCN)

37.1. This applies to and describes the procedure to be followed in the event of any proposed change to contract, site Implementation, and Service levels. Such change shall include, but shall not be limited to, changes in the scope of services provided by MSI and changes to the terms of payment.

37.2. Change requests in respect of the contract, the site implementation, or the Service levels shall emanate from the Parties' representative who shall be responsible for obtaining approval for the change and who shall act as its sponsor throughout the Change Control Process and shall complete Part A of the CCN (Annexure I, of the RFP Volume II). CCNs shall be presented to the other Party's representative who shall acknowledge receipt by signature of the authorized representative of RSCCL.

37.3. MSI and RSCCL while preparing the CCN, shall consider the change in the context of whether the change is beyond the scope of Services including ancillary and concomitant services required. The CCN shall be applicable for the items which are beyond the stated/implied scope of work as per the RFP document.

37.4. Quotation

37.4.1. MSI shall assess the CCN and complete Part B of the CCN. In completing Part B of the CCN MSI/Lead Member shall provide as a minimum:

- a description of the change;
- a list of deliverables required for implementing the change;
- a timetable for implementation;
- an estimate of any proposed change;
- any relevant acceptance criteria;
- an assessment of the value of the proposed change;
- Material evidence to prove that the proposed change is not already covered within the scope of the RFP, Agreement and Service Levels.

37.4.2. Prior to submission of the completed CCN to RSCCL or its nominated agencies, MSI shall undertake its own internal review of the proposal and obtain all necessary internal approvals. As a part of this internal review process, MSI shall consider the materiality of the proposed change in the context of the Agreement, the sites, Service levels affected by the change and the total effect that may arise from implementation of the change.

37.4.3. Each Party shall be responsible for its own costs incurred in the quotation, preparation of CCNs and in the completion of its obligations described in this process provided MSI meets the obligations as set in the CCN. In the event MSI is unable to meet the obligations as defined in the CCN then the cost of getting it done by third party shall be borne by MSI. Change requests and CCNs shall be

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

reported monthly to each Party's representative who shall prioritize and review progress.

Section C: SERVICE LEVELS

38 General Principles of Service Level Agreements

The Service Level agreements have been logically segregated in the following categories:

38.1. Service Level Agreement

- a. Service Level Agreement (SLA) shall become the part of contract between RSCCL and the successful bidder. SLA defines the terms of the successful bidder's responsibility in ensuring the timely delivery of the deliverables and the correctness of the same based on the agreed Performance Indicators as detailed in this section.
- b. The successful bidder has to comply with service level requirements to ensure adherence to project timelines, quality and availability of services, throughout the period of this contract i.e. for a period of five (5) years including implementation phase. The successful bidder has to supply appropriate software/hardware/automated tools as may be required to monitor and submit reports of all the SLAs mentioned in this section.
- c. For purposes of the SLA, the definitions and terms as specified in the document along with the following terms shall have the meanings set forth below:

- "Total Time" - Total number of hours in the quarter (or the concerned period) being considered for evaluation of SLA performance.
- "Uptime" - Time period for which the specified services/outcomes are available in the period being considered for evaluation of SLA.

Formula for calculation of Uptime:
$$\text{Uptime (\%)} = \{1 - [(\text{Downtime}) / (\text{Total time} - \text{scheduled maintenance time})]\} * 100$$

- "Downtime"- Time period for which the specified services/components/outcomes are not available in the concerned period, being considered for evaluation of SLA, which would exclude downtime owing to Force Majeure & Reasons beyond control of the MSI.
- "Scheduled Maintenance Time" - Time period for which the specified services/components with specified technical and service standards are not available due to scheduled maintenance activity. The MSI is required to take at least 10 days prior approval from RSCCL for any such activity. The scheduled maintenance should be carried out during non- peak hours (like post mid-night, and should not be for more than 4 hours. Such planned downtime would be granted max 4 times a year.
- "Incident" - Any event/abnormalities in the service being rendered, that may lead to disruption in normal operations and services to the end user.
- "Response Time" - Time elapsed from the moment an incident is reported in the Helpdesk over phone or by any applicable mode of communication, to the time when a resource is assigned for the resolution of the same.
- "Resolution Time" - Time elapsed from the moment incident is reported to Helpdesk either in person or automatically through system, to the time by

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

which the incident is resolved completely and services as promised are restored.

38.2. Measurement of SLA

The SLA metrics provided specifies performance parameters as baseline performance, lower performance and breach. All SLA calculations will be done on quarterly basis. The SLA also specifies the liquidated damages for lower performance and breach conditions.

Payment to the SI is linked to the compliance with the SLA metrics. The matrix specifies three levels of performance, namely,

- The MSI will get 100% of the Contracted value if all the baseline performance metrics are compiled and the cumulative credit points are 100
- The MSI will get lesser payment in case of the lower performance. (For e.g. if SLA point score is 80 then the MSI will get 20% less on the quarterly payment
- The formula calculating the deductions is “(100 – SLA Point Score)%”
- If the performance of the Agency in respect of any parameter falls below the prescribed lower performance limit, debit points are imposed for the breach.

The credit (+) points earned during the quarter will be considered for computing penalty.

The aforementioned SLA parameters shall be measured as per the individual SLA parameter requirements and measurement methods, through appropriate SLA Measurement tools to be provided by the SI and approved and audited by RSCCL or its appointed Consultant for accuracy and reliability.

RSCCL shall also have the right to conduct, either itself or through any other agency as it may deem fit, an audit / revision of the SLA parameters. The SLAs defined, shall be reviewed by RSCCL on an annual basis after consulting the SI, Project Management Consultants and other experts. All the changes would be made by RSCCL after consultation with the SI and might include some corrections to reduce undue relaxation in Service levels or some corrections to avoid unrealistic imposition of liquidated damages, which are noticed after project has gone live.

Total liquidated damages to be levied on the SI shall be capped at 10% of the total contract value. However, RSCCL would have right to invoke termination of the contract in case the overall liquidated damages equals 10% of total contract value. Liquidated damages to be levied during Post Implementation period shall be capped at 10% of the OPEX value. RSCCL would also have right to invoke termination of contract in case cumulative debit point (breach points) are above 30 in 2 consecutive quarters.

38.3. Implementation SLAs

38.3.1. These SLAs shall be used to evaluate the timelines for completion of

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

deliverables that are listed in the RFP Volume II.

38.3.2 The MSI is expected to mobilize the team for commencement of work for this project within 14 days of issuance of Letter of Intent (LoI). In case resources are not mobilized, INR 40 thousand per proposed resource not deployed for each week's delay or part thereof.

38.3.3. These SLAs for completion of individual milestones listed in the implementation schedule of the RFP Volume II. For delay of every week in completion & submission of the deliverable mentioned in the RFP, the MSI would be charged with a penalty as follows:

Delay (Weeks)	Penalty % on the respective Payment milestone value
1	1%
2	2%
3	3%
4	4%
5	5%
6	6%
7	7%
8	8%
9	9%
10	10%

38.3.4 The Penalty to be deducted on project milestone will be waived off/refunded in case Project Go live within defined timeline as per the final agreement.

38.3.5. The upper limit of penalty would be capped at 10% of the respective Payment Milestone value. In case the MSI reaches 10% of the respective Payment Milestone value in the form of penalty at any point of time during implementation phase, RSCCL reserves the right to invoke the termination clause.

38.3.6. Delay of every week would also account in increase of additional 2 weeks in the maintenance period which will be over and above the maintenance period of 5 (Five) years. This duration would be accounted without incurring any charges to RSCCL.

38.4. Post-Implementation SLAs

- a. These SLAs shall be used to evaluate the performance of the services on monthly basis.
- b. Penalty levied for non- performance as per SLA requirements shall be deducted

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

through subsequent payments due from RSCCL or through the deductions from the Performance Bank Guarantee.

- c. The SLA parameters shall be measured for each of the sub systems' SLA parameter requirements and measurement methods, through appropriate SLA Measurement tools. All such required tools should be provided by the MSI. RSCCL will have RSCCL to audit these tools for accuracy and reliability.
- d. The upper limit of penalty would be capped at 10% of the OPEX value for each quarter. In case the calculated penalty crosses 10% penalty of the OPEX value in 2 subsequent quarters, RSCCL reserves the right to unconditionally invoke the termination clause.
- e. SLAs for street IT infrastructure such as intelligent traffic signal aspects, traffic signal controllers, traffics sensors, surveillance cameras, RLVD cameras, SVD systems, ANPR cameras, emergency call box, public address system, and variable message sign boards.

#	Uptime SLA (Monthly)	Penalty Clause
1	Uptime >= 98%	No Deduction
2	Uptime < 98%	(98%- Uptime %) of monthly Operational Expense for the component. For example if uptime of component is 95%, then penalty imposed will be 98%%-95% i.e. 3% of operational expense.

- f. SLAs for IT Infrastructure including software applications, web portal, mobile app, hardware, video walls, workstations and other equipment's of CCCC.

Sl. No.	Performance Area	Baseline		Metric Points		Breach	
		Metric Points	Points	Metric Points	Points	Metric Points	Points
1. Application Performance (includes any user/system application related to the project)							
1	Overall application(s) availability - Command Control & Communication Center	99%	16	>= 96.5 % to <99%	8	< 96.5 %	0
2	Reports Generation Response Time (Alerts/MIS/Logs etc.)	Simple query - < 5secs Medium complexity query - <30 secs High Complexity query - < 1min	2	Simple complexity Query = 5.01 - 10 secs Medium complexity query = 30.01 - 60 secs	1	Simple complexity Query = > 10 secs Medium complexity query = > 60 secs High Complexity	0

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

Sl. No.	Performance Area	Baseline		Metric Points		Breach	
		Metric Points	Points	Metric Points	Points	Metric Points	Points
				High Complexity query = < 60.1 sec - 2 min		query = > 2 min	
3	Maximum time for successful settings modification of field devices	< 4 secs	2	4.01 – 6.0 secs	1	>6 secs	0
2. End-User Equipment Uptime							
1	Monitoring workstations at Command Centers	99%	6	>= 96 % to <99%	3	< 96 %	0
2	IP Phones	98%	4	>= 96 % to <98%	2	< 96 %	0
3	Video Wall	99%	10	>= 96 % to <99%	5	< 96 %	0
3. Underlying IT Infrastructure Uptime/Availability at Data Centers							
1	Production Servers Uptime	99.95%	20	>= 99.5 % to <99.94%	10	< 99.5%	0
2	Storage System Uptime	99.95%	20	>= 99.5 % to <99.94%	10	< 99.5%	0
4. Security /Patch Services for IT Infrastructure							
1	Firewall and any other security appliance Uptime	100%	10	97 % to 99.99%	5	< 97%	0
2	Security rules update within 2 hours of approved change management request	0 violations of service parameters	2	1 – 4 violations	1	> 4 violations	0
3	Anti-virus, Anti-spyware, Anti-spam updates within 24 hrs. of request	0 violations of service parameters	2	1 – 4 violations	1	> 4 violations	0
4	Critical Patches – within 48 hours of patch release.	0 violations of service parameters	2	1 – 4 violations	1	> 4 violations	0
5	Non Critical Patches – within 15 days of patch release.	Up-to 1 violations of service parameters	2	2 – 5 violations	1	> 5 violations	0

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

Sl. No.	Performance Area	Baseline		Metric Points		Breach	
		Metric Points	Points	Metric Points	Points	Metric Points	Points
6	Resolution of Issue	<8 Hrs (for Critical issue) <16 Hrs (for Medium issue) <4 days (for Low issue)	2	<12 Hrs and >=8 hrs (for Critical issue) <24 Hrs and >=16 (for Medium issue) <8 days and >=4 (for Low issue)	1	>12 Hrs (for Critical issue) >24 Hrs (for Medium issue) >8 days (for Low issue)	0
Total Score			100		50		0

g. SLAs for Internet Bandwidth & Leased Circuit

i. SLAs for Internet Bandwidth

#	Uptime SLA (Monthly)	Penalty
1	99.70 or better	No penalty
2	99.70% to 98.00%	Rs. 200/- (beyond agreed quarterly down time) per Link
3	98.00% to 95.00%	Rs. 500/- (beyond agreed quarterly down time) per Link
4	Below 95.00%	Rs. 1000/- (beyond agreed quarterly down time) per Link; may lead to termination

ii. SLAs for leased circuit

#	Uptime SLA (Monthly)	Penalty
1	99.70 or better	No penalty
2	99.70% to 98.00%	Rs. 5,000/- per link per hour beyond agreed down time or Part thereof
3	98.00% to 95.00%	Rs. 10,000/- per link per hour beyond agreed down time or Part thereof
4	Below 95.00%	Rs. 20,000/- per link per hour beyond agreed down time or Part thereof

iii. SLAs for Latency and Packet Loss for Internet bandwidth & Leased circuit

#	Network	Threshold	Penalty
1	Internet Bandwidth	Latency: 200 ms	If Network Latency is not resolved within 24 Hrs than Rs 2000 per instance per Hour or part thereof.

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

2	Leased Circuits	Latency 20 ms	Rs. 10000/- (beyond agreed quarterly down time) per Link per Hour or part thereof.
3	Packet Loss cross Any network Link	Less Than 1%	If the Packet Loss is not resolved within 6 Hour than Rs. 1000 per instance per Hour or part thereof

Exclusions / conditions for which Downtime will not be considered as Downtime:

- Downtime due to 'planned outage' for which prior approval has been given by the RSSCL.
- The uptime or Downtime calculation will not include any down time related to any media & its equipment, which are not provided/ installed by the MSI.
- The downtime caused due to problems related to non-availability of power, due to switch off / failure of power and/ or power fluctuations, hardware failure due to above.

h. SLAs for Wi-Fi

#	Uptime SLA (Monthly)	Penalty Clause
1	Uptime >= 98%	No Deduction
2	Uptime < 98%	(95%- Uptime %) of monthly Operational Expense for the component. For example if uptime of component is 90%, then penalty imposed will be 95%%-90% i.e. 5% of operational expense.

The penalties would be levied for every AP down time – be it for non- availability of network, theft, damage or non- availability of power etc. because the MSI is responsible for supply of all enabling components on end to end basis.

i. SLA for Internet throughput for Wi-Fi

Throughput and Coverage: Minimum throughput and coverage has to be 95% of prescribed values of each AP. MSI must ensure measurement of these results using an automated tool and provision of results to RSCCL.

In case throughput falls below the guaranteed level, RSCCL will impose the penalty of Rs.2000/- (Rupees two thousand) per instance per location in additional to SLA and Penalty.

j. SLAs for Environment Sensors

#	Uptime SLA (Monthly)	Penalty Clause
1	Uptime >= 99.5%	No Deduction
2	Uptime < 99.5%	(99.5%- Uptime %) of monthly Operational Expense for the component.

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

k. Uptime definition: All devices have to be working and deliver the desired results. The no. of hours that the particular device/equipment does not work will be treated as down time. Uptime shall be calculated as $Uptime (\%) = \{1 - [(Downtime) / (Total\ time - scheduled\ maintenance\ time)]\} * 100$. For ex, if 10 nos. of Environmental Sensors are deployed at various locations, and 2 device/units does not work for 5 Hrs, the total non-working device hours will be 10 unit hours (and the uptime would be $\{1 - (10 / (10 * 90 * 24))\}$, 10 being the number of units, for 90 days on 24 hours basis.

l. The penalties would be levied for every unit down time hour.

m. SLA for Video Analytics Performance

#	Parameter	Penalty Clause
1	ANPR for Standard Roman Number plates (2 wheelers & above): 80% accuracy	Rs. 1000/- per wrongly identified regd. Number plate below the prescribed limit of SLA
2	ANPR for Non-Standard Roman Number plates (2 wheelers & above): 60% accuracy	Rs. 500/- per wrongly identified regd. Number plate below the prescribed limit of SLA

n. SLA and Penalty for Helpdesk Response and Resolution time

#	Parameter	Penalty Clause
1	For <= 1% of the calls not getting responded in less than or equal to 60 seconds per quarter	No Deduction
2	For > 1% of the calls not getting responded in less than or equal to 60 seconds per quarter	0.5% of the monthly opex value

o. SLA for Change Requests or enhancements

#	Parameter	Metric	Frequency	Penalty
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Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

1	Criticality of Change – Low	< T, where T is the timeframe for completion of the Change request as agreed upon by RSCCL and successful bidder	Weekly per Occurrence	1 % of change request value per week for the first two weeks for each occurrence, 2 % of change request value per week for every subsequent week, subject to a maximum of 10% post which RSCCL may invoke annulment of the contract.
2	Criticality of Change – Medium	< T, where T is the timeframe for completion of the Change request as agreed upon by RSCCL and successful bidder	Weekly per Occurrence	1.5 % of change request value per week for the first two weeks for each occurrence, 2.5 % of change request value per week for every subsequent week, subject to a maximum of 10% post which RSCCL may invoke annulment of the contract.
3	Criticality of Change – High	< T weeks, where T is the timeframe for completion of the Change request as agreed upon by RSCCL and successful bidder	Weekly per Occurrence	2 % of change request value per week for the first two weeks for each occurrence, 3 % of change request value per week for every subsequent week, subject to a maximum of 10% post which RSCCL may invoke annulment of the contract.

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

p. SLA for issue resolution

#	Parameter	Metric	Frequency	Penalty
1	Severity 1 Issue	Resolution Time: <= 8 Hrs from the time the call is logged by end user.	Daily	0.1% of monthly opex value per week for the first two weeks for each occurrence, 0.2% of monthly opex value per week for every subsequent week, subject to a maximum of 10% post which RSCCL may invoke annulment of the contract.
2	Severity 2 Issue	Resolution Time: <= 4 Days from the time the call is logged user. by end	Daily	0.1% of monthly opex value per week for the first two weeks for each occurrence, 0.2% of monthly opex value per week for every subsequent week, subject to a maximum of 10% post which RSCCL may invoke
3	Severity 3 Issue	Resolution Time: <= 10 Days from the time the call is logged by end user.	Daily	0.1% of monthly opex value per week for the first two weeks for each occurrence, 0.2% of monthly opex value per week for every subsequent week, subject to a maximum of 10% post which RSCCL may invoke annulment of the contract.

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

4	Severity 4 Issue	Resolution Time: ≤ 20 Days from the time the call is logged by end user.	Daily	0.1% of monthly opex value per week for the first two weeks for each occurrence, 0.2% of monthly opex value per week for every subsequent week, subject to a maximum of 10% post which RSCCL may invoke annulment of the contract.
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q. SLA for Cloud Service

Service Level Description	Severity of violation	Measurement								
Composite Service Availability should be minimum 99.9%	High	<table border="1"> <tr> <th>Availability over the quarter</th> <th>No of violations to be counted for calculation of penalty</th> </tr> <tr> <td>< 99.9% & ≥ 99.7%</td> <td>1</td> </tr> <tr> <td>< 99.7% & ≥ 99.5%</td> <td>2</td> </tr> <tr> <td>< 99.5%</td> <td>3 for every percentage drop or part thereof below 99.5%</td> </tr> </table>	Availability over the quarter	No of violations to be counted for calculation of penalty	< 99.9% & ≥ 99.7%	1	< 99.7% & ≥ 99.5%	2	< 99.5%	3 for every percentage drop or part thereof below 99.5%
		Availability over the quarter	No of violations to be counted for calculation of penalty							
		< 99.9% & ≥ 99.7%	1							
		< 99.7% & ≥ 99.5%	2							
		< 99.5%	3 for every percentage drop or part thereof below 99.5%							
Composite Service Availability means availability and performance of infrastructure and application services for proposed Smart City Solution on Cloud										

r. Network SLA

Service	Parameter	Service Level	Validation	Penalty
Network Monitoring & Management	MSI to monitor the availability of the network link for 99% uptime. MSI should measure link	99%	Downtime reports Reports on the Network performance	Penalty of 2% per month will be deducted from the monthly OPEX charges of that utility, if the

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

	availability on a monthly basis.			reports are not submitted by the SI. Important: A Separate SLA will be signed with bandwidth provider.
	Resolution of ticket logged related to Networks	99%	Reports generated from Ticket logging system	2% of monthly OPEX charges for every default
	Data Centre Network Availability Minimum of 99.8% uptime measured on a monthly basis	99.8%	Report	<ul style="list-style-type: none"> • 2% of monthly OPEX charges for less than 99.8% • 3% of monthly OPEX charges for less than 98.0% • 5 % of monthly OPEX charges for less than 95%

s. Miscellaneous SLAs

Sl. No	Parameter	Metric	Frequency	Penalty
1	Compliance in document versioning and maintenance (FRS, SRS, Business Blue Prints, User Training Manual etc.), application version control, updates & patches etc.	100% as per requirement timelines	Daily per occurrence	Rs. 10,000 per occurrence per week of delay subject to a maximum of Rs. 40,000

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

3	Scheduled downtime for System Maintenance per week	<= 2 times per month	Per Occurrence	Rs. 1,00,000 per occurrence for unscheduled downtime or scheduled downtimes exceeding the specified metric
5	Application/ Services	Application/Services Downtime/Cyber Crime/Hacking/Data Theft/Fraud attributable to the service provider	Per Occurrence	Depending on the type of incident and its impact, penalty shall be applied as follows: <ul style="list-style-type: none"> • Penalty of 5% on the entire contract value for Severity 1 • Penalty of 2% on the entire contract value for Severity 2 • Penalty of 1% on the entire contract value for Severity 3 • Penalty of 0.5% on the entire contract value for Severity 4 An expert committee shall be formally constituted to assess the situation before application of the penalty. The cumulative maximum penalty that can be applied is 11% of the entire contract value for the duration of the contract.

Definitions:

- Severity 1: Command Control and Communication Center or Web Portal or Mobile App or Smart City applications down for more than 50% users.
- Severity 2: Command Control and Communication Center or Web Portal or Mobile App or Smart City applications down for more than 30% users.
- Severity 3: Modules of Command Control and Communication Center or Web Portal or Mobile App or Smart City applications are not functional for users.
- Severity 4: Minor functionality issues with Command Control and Communication Center or Web Portal or Mobile App or Smart City applications

39 Purpose

- 39.1. The purpose is to define the levels of service provided by MSI to RSCCL for the duration of the contract. The benefits of this are:
 - 39.1.1. Start a process that applies to RSCCL and MSI attention to some aspect of performance, only when that aspect drops below the threshold defined by RSCCL.
 - 39.1.2. Help RSCCL control the levels and performance of MSI's services
- 39.2. The Service Levels are between RSCCL and MSI

40 Service Level Agreements & Targets

- 40.1. This section is agreed to by RSCCL and MSI as the key performance indicator for the project. This may be reviewed and revised according during the Contract signing stage with the successful Bidder.
- 40.2. This section is agreed to by RSCCL and MSI as the key performance indicator for the project. This may be reviewed and revised according to the procedures detailed in Clause 43 SLA Change Control.
- 40.3. The following section reflects the measurements to be used to track and report system's performance on a regular basis. The targets shown in the following tables are for the period of contract.
- 40.4. The procedures in Clause 43 shall be used if there is a dispute between RSCCL and MSI on what the permanent targets should be.

41 Conditions for No Penalties

Penalties shall not be levied on the MSI in the following cases:

- 41.1. There is a force majeure event declared which is effecting the SLA and beyond the control of the MSI. Force Majeure events shall be considered in line with the clause mentioned RFP Volume III.
- 41.2. The non-compliance to the SLA has been due to reasons beyond the control of the MSI.
- 41.3. Theft cases by default/vandalism would not be considered as "beyond the control of MSI". Hence, the MSI should be taking adequate anti-theft measures, spares strategy, Insurance as required to maintain the desired required SLA.

42 Reporting Procedure

- 42.1. MSI representative shall prepare and distribute Service level performance reports in a mutually agreed format by the 5th working day of subsequent month. The reports shall include "actual versus target" Service Level Performance, a variance analysis and discussion of appropriate issues or significant events. Performance reports shall be distributed to RSCCL management personnel as directed by RSCCL.
- 42.2. Also, MSI may be required to get the Service Level performance report audited by a third-party Auditor appointed by RSCCL.

43 Service Level Change Control

43.1. General: It is acknowledged that this Service levels may change as RSCCL's business needs evolve over the course of the contract period. As such, this document also defines the following management procedures:

- a. A process for negotiating changes to the Service Levels
- b. An issue management process for documenting and resolving particularly difficult issues.
- c. RSCCL and MSI management escalation process to be used in the event that an

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

issue is not being resolved in a timely manner by the lowest possible level of management.

Any changes to the levels of service provided during the term of this Agreement shall be requested, documented and negotiated in good faith by both parties. Either party can request a change.

43.2 Service Level Change Process: The parties may amend Service Level by mutual agreement in accordance. Changes can be proposed by either party .Unresolved issues shall also be addressed. MSI's representative shall maintain and distribute current copies of the Service Level document as directed by RSCCL. Additional copies of the current Service Levels shall be available at all times to authorized parties.

43.3 Version Control/Release Management: All negotiated changes shall require changing the version control number. As appropriate, minor changes may be accumulated for periodic release or for release when a critical threshold of change has occurred.

Section D: Annexure

Annexure – I: Change Control Note

Change Control Note	
CCN Number	
PART A Initiation	
Title	
Originator	
Sponsor	
Date of Initiation	
Details of Proposed Change	
<i>Include all necessary details substantiating the change request i.e. the need /constraints/risk mitigation etc. justifying the change and details of the nature of changes with specifications or any other supporting information that may support the decision process. MSI shall identify any attachments as A1, A2, A3 etc.</i>	
Authorized by RSCCL	
Date of Authorization	
Name of Authorizing Officer	
Sign of Authorizing Officer	
Received by MSI Agency	
Date of Receipt	
Name of Receiving Representative	
Sign of Receiving Representative	

Change Control Note	
CCN Number	
PART B Evaluation	
Title	
Originator	

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

Sponsor	
Date of Initiation	
Details of Proposed Change	
<i>Include all necessary details such as Changes of services, Payment terms, Payment profile, Service Levels, Component working arrangements, any other contractual or related terms or obligations etc. MSI shall identify any attachments as B1, B2, B3 etc.</i>	
Brief Description of Solution	
Impact	
Deliverables	
Time table	
Charges for Implementation	
<i>Include a schedule of payments</i>	
Other Relevant Information	
<i>Include value added and acceptance criteria</i>	
Received by MSI Agency	
Date of Receipt	
Name of Receiving Representative	
Sign of Receiving Representative	

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

Change Control Note	
CCN Number	
PART B Evaluation	
Title	
Originator	
Sponsor	
Date of Initiation	
Details of Proposed Change	
<i>Include all necessary details such as Changes of services, Payment terms, Payment profile, Service Levels, Component working arrangements, any other contractual or related terms or obligations etc. MSI shall identify any attachments as B1, B2, B3 etc.</i>	
Brief Description of Solution	
Impact	
Deliverables	
Time table	
Charges for Implementation	
<i>Include a schedule of payments</i>	
Other Relevant Information	
<i>Include value added and acceptance criteria</i>	
Received by MSI Agency	
Date of Receipt	
Name of Receiving Representative	
Sign of Receiving Representative	

Change Control Note	
CCN Number	

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

PART C RSCCL to Proceed	
Title	
Date of Initiation	
Implementation of CCN as submitted in Part A in accordance with Part B along with the supplementary information attached in Attachments of Part A and B.	
<i>MSI shall List the Annexures</i>	
Approved	Yes or No
Rejected	Yes or No
If Rejected then Reason for Rejection	
Date of Approval or Rejection	
For RSCCL and its nominated agencies	For the MSI
Title of Authorised Officer	Title of MSI Representative
Name of Authorised Officer	Name of MSI Representative
Sign of Authorised Officer	Sign of MSI Representative

Annexure – II: Form of Agreement

THIS Agreement made thedate of.....2017, between..... (hereinafter.....referred to as the “MSI”) of the one part and (hereinafter called the “RSCCL”) of the other part.

WHEREAS MSI has the required professional skills, personnel and technical resources, has agreed to provide the Services on the terms and conditions set forth in this Contract and is about to perform services as specified in the RFP(hereinafter called “works”) mentioned, enumerated or referred to in certain Contract conditions, specification, scope of work, other sections of the RFP, covering letter and schedule of prices which, for the purpose of identification, have been signed by on behalf of the

MSI and(RSCCL) on behalf of RSCCL and all of which are deemed to form part of the Contract as though separately set out herein and are included in the expression “Contract” whenever herein used.

NOW, THEREFORE, IT IS HEREBY AGREED between the parties as follows:

- a. RSCCL has accepted the tender of MSI for the provision and execution of the said works for the sum ofupon the terms laid out in the

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

RFP.

- b. MSI hereby agrees to provide Services to RSCCL, conforming to the specified Service Levels and conditions mentioned
- c. The following documents attached hereto shall be deemed to form an integral part of this Agreement:

Complete Request for Proposal (RFP) Document	<i>Volumes I, II and III of the RFP and corrigendum and addendum, if any</i>
Break-up of cost components	<i>MSI's Financial Proposal</i>
RSCCL's Letter of Acceptance dated <<>>	<i>To be issued later by RSCCL</i>
MSI's Letter of acceptance dated <<>>	<i>To be issued later by the MSI</i>
Bid submitted by MSI as per file No. <<>>	<i>MSI's Technical bid</i>

- d. The mutual rights and obligations of the "RSCCL" and MSI shall be as set forth in the Agreement, in particular:

MSI shall carry out and complete the Services in accordance with the provisions of the Agreement; and the "RSCCL" shall make payments to MSI in accordance with the provisions of the Agreement.

NOW THESE PRESENTS WITNESS and the parties hereto hereby agree and declare as follows, that is to say, in consideration of the payments to be made to MSI by RSCCL as hereinafter mentioned, MSI shall deliver the services for the said works and shall do and perform all other works and things in the Contract mentioned or described or which are implied there from or there in respectively or may be reasonably necessary for the completion of the said works within and at the times and in the manner and subject to the terms, conditions and stipulations mentioned in the said Contract.

AND in consideration of services and milestones, RSCCL shall pay to MSI the said sum ofor such other sums as may become payable to MSI under the provisions of this Contract, such payments to be made at such time and in such manner as is provided by the Contract.

IN WITNESS WHEREOF the parties hereto have signed this deed hereunder on the dates respectively mentioned against the signature of each:

Signed

Signed

Name :

Name :

Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi

Designation :	Designation :
n	
Date :	Date :
Place :	Place :
Witnessed by :	Witnessed by
Signed	:
Name :	Signed
Designation :	Name :
n	
Date :	Designation :
Place :	Date :
	Place :

End of Document