



Government of Jharkhand
Urban Development & Housing Department
Ranchi Smart City Corporation Limited

Ground Floor, FFP 100 Building, Dhurwa, Ranchi- 834004 | CIN: U45309JH2016SGC009206
E-mail: ranchismartcity@gmail.com | Phone: +91 651 244 6666

Ranchi/Date: 05/11/2018

Memo No.: : RSCCL/C4/140 (Part)/2018/401

Tender No.: RSCCL/C4/140 (Part)/2018/347
Issued on: September 28, 2018

Corrigendum - III

It is hereby informed that corrigendum/amendment have been made with respect to various clauses of invited RFP (Tender Notice No. : RSCCL/C4/140 (Part)/2018/347) for "Selection of Master System Integrator (MSI) for Implementation of Command Control and Communication Centre (C4) under Smart City Mission in Ranchi (Call 4)".

The corrigendum/amendments/addendums have been indicated in Enclosure-I. The above document along with Pre-bid replies are uploaded to our websites i.e. <https://smartranchi.jharkhand.gov.in> and <https://jharkhandtenders.gov.in>.

Bidders are advised to refer the above documents before submission of their proposals.

Encl: As Above

-sd-

(Ashish Singhmar)
CEO, RSCCL

ENCLOSURE - 1

#	Volume No./Corrigendum	Clause No.	Page No.	RFP Original Clause	Amended/Added Clause
1.	Corrigendum - II	-	-	Last date and time for submission of Proposals (online) - November 19, 2018 at 04:00 PM	Last date and time for submission of Proposals (online) - November 26, 2018 at 04:00 PM
2.	Corrigendum – II	-	-	Date and Time for Opening of Technical Proposals – November 19, 2018 at 04:00 PM	Date and Time for Opening of Technical Proposals - November 27, 2018 at 04:30 PM
3.	Vol I and Corrigendum - I	2.3.17	-	2.3.17 Pre-Qualification Criteria	Refer Annexure I: Revised Pre-Qualification Criteria
4.	Vol I and Corrigendum - I	2.3.18	-	2.3.18 Technical Evaluation Criteria	Refer Annexure II: Revised Technical Evaluation Criteria

Revised Pre-qualification Criteria

The proposal failing to meet all of the below pre-qualification eligibility criteria shall be disqualified and will not be considered for technical evaluation process. Pre-qualification Criteria are revised as per the following:

#	Basic Requirement	Specific Requirements	Documentary Evidence
PQ1	Legal Entity	<p>The Sole Bidder or Consortium</p> <ul style="list-style-type: none"> Maximum four (4) companies are allowed in a consortium including Lead Member Lead Member should be registered in India under Companies Act 1956/2013 or as amended and should have been in operation for at least 5 years as on date of submission of the bid Other consortium members either should be registered in India under Companies Act 1956/2013 or as amended OR Registered Abroad under corresponding Act 	<ul style="list-style-type: none"> Copy of certificate of Incorporation/Registration under Companies Act 1956 (for Indian companies) Global companies to provide equivalent proof of incorporation/ registration A written undertaking from each of the consortium members, in case of a consortium, duly signed by the authorized signatory, holding a written power of attorney for this bid on a stamp paper, authorizing the lead bidder to incur liabilities and receive instructions for and on behalf of any and all consortium members, and the entire execution of the Contract, including but not limited to the payments.
PQ2	Turnover	<p>The minimum average annual Turnover in Indian Rupees for last 3 audited financial years (2015-16, 2016-17, 2017-18) from the business area of ICT Infrastructure / IT System Integration Services.</p> <p>For Sole Bidder or Lead Member of consortium: INR 200 Cr For Consortium members: INR 20 Cr</p>	<ul style="list-style-type: none"> Audited financial statements for last three Financial Years. Statutory auditor's certificate clearly specifying the annual turnover for the specified years. MoA/AoA shall be submitted showing the area of business.
PQ3	Net Worth	<p>The Sole Bidder or the Lead Member of consortium should have minimum net worth of INR 50 Cr. as per the audited consolidated financial statements in each of the last 3 (Three) financial years 2015-16, 2016-17, 2017-18</p>	<ul style="list-style-type: none"> Certificate from the Statutory Auditor on net worth
PQ4	Command and Control Center related Experience	<p>1. Criteria shall be met by: Sole Bidder or Any Member of a consortium 2. Project: Two (2) projects as a System Integrator for the implementation & maintenance of Command Control and Communication Centre (Comprising minimum of Command Control Centre Application, Dashboard, Video Wall and Operation Room). Project must meet the following conditions to be considered as an eligible project for pre-qualification purpose:</p>	<ol style="list-style-type: none"> Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order with value excluding civil/mechanical/ HVAC works; Completion/Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead with value excluding civil/mechanical/HVAC works OR Self-certificate from the bidder signed by the concerned project in-charge of the bidder and counter

#	Basic Requirement	Specific Requirements	Documentary Evidence
		<p>(i) Successfully completed (Implementation as well as Maintenance) OR (ii) Completed implementation i.e. Go-Live of all modules as per the SoW and realized at least 50 % of CAPEX cost/Fee as per Contract Agreement</p> <p>3. Client: Project should have been executed for any Central Government/ State Government/PSU/ ULB/Govt. Boards/Defence/Metro Rail in India or Globally</p> <p>4. Project Cost: Should not be less than INR 15 Cr in the last 7 (Seven) financial years or INR 30 Cr (in case of projects done Globally)</p>	<p>signed by authorized signatory for this bid holding written special power of attorney along with the official contact details of the competent authority of the client entity along with Work Order. The Client reserves the right to contact the aforementioned competent authority.</p> <p>In case of large orders/orders with operations & maintenance phase, the completion may specify successful execution and in operation status of a part of the order meeting the requirement.</p>
PQ5	ITMS related Experience	<p>1. Criteria shall be met by: Sole Bidder or Any Member of a consortium</p> <p>2. Project: Two (2) projects as a System Integrator for the implementation & maintenance of Intelligent Traffic Management System [comprising at least two (2) components out of 1. Red Light Violation Detection System (RLVD) 2. Automatic Number Plate Recognition System (ANPR), 3. Adaptive Traffic Control system (ATCS) {Vehicle Detection System with Application etc.} and 4. Variable Message Sign Boards (VMSB)].</p> <p>Project must meet the following conditions to be considered as an eligible project for pre-qualification purpose:</p> <p>(i) Successfully completed (Implementation as well as Maintenance) OR (ii) Completed implementation i.e. Go-Live of all modules as per the SoW and realized at least 50 % of CAPEX cost/Fee as per Contract Agreement</p> <p>3. Client: Project should have been executed for any Central Govt. / State Govt. / PSUs/ ULBs/ Govt. Boards in India (<i>Project for Metro rail corporations or Railways wouldn't be consider under this category</i>)</p> <p>4. Project Cost: Should not be less than INR 10 Cr in the last 7 (Seven) financial years</p>	<ol style="list-style-type: none"> 1. Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order with value excluding civil/mechanical/ HVAC works; 2. Completion/Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead with value excluding civil/mechanical/HVAC works OR Self-certificate from the bidder signed by the concerned project in-charge of the bidder and counter signed by authorized signatory for this bid holding written special power of attorney along with the official contact details of the competent authority of the client entity along with Work Order. The Client reserves the right to contact the aforementioned competent authority. <p>In case of large orders/orders with operations & maintenance phase, the completion may specify successful execution and in operation status of a part of the order meeting the requirement.</p>

#	Basic Requirement	Specific Requirements	Documentary Evidence
PQ6	Blacklisting	As on date of submission of the proposal, the Sole Bidder or the Lead Member and each member of the consortium member, in case of a Consortium, should not have been blacklisted by Central/State Government/ PSU entity in India or similar agencies globally for unsatisfactory past performance, corrupt, fraudulent or any other unethical business practices.	<ul style="list-style-type: none"> ▪ Legal Attorney certified letter of undertaking to this effect on the letter head, co-signed by bidders' authorized signatory. ▪ In case of consortium, this needs to be provided by each of the consortium member.
PQ7	Certifications	The Sole Bidder or any member of consortium should possess the following Certifications which are valid at the time of bid submission: <ul style="list-style-type: none"> • ISO 20000:2011 for IT Service Management • ISO/IEC 27001:2013 for Information Security Management System 	Copies of the valid certificate in the name of the Bidder
PQ8	Local Presence	The Sole Bidder or the Lead Member of consortium, in case of a Consortium, should have office in Ranchi or should furnish an undertaking that the same would be established within 60 days of signing the contract, if project is awarded.	<ul style="list-style-type: none"> • List and address of office in Ranchi OR <ul style="list-style-type: none"> • Undertaking from authorized signatory to open office with GST registration in Ranchi within 60 days from Contract signing.

Revised Technical Evaluation Criteria

Technical Evaluation Criteria Tare revised as per the following:

#	Technical Evaluation Criteria	Marks	Documentary Evidence
TQ 1.0	Company's Financial Profile	7.0	
TQ 1.1	<p>Turnover to be considered from specific business: ICT Infrastructure / IT System Integration Services. (*Turnover of only 100% subsidiary will be considered but parent, associated or other related entity will not be considered)</p> <p>Marking Criteria: Marks will be awarded based on average annual turnover as defined above in the last 3 financial years (2015-16, 2016-17, 2017-18).</p> <ol style="list-style-type: none"> For Sole Bidder: Points shall be awarded on pro-rata basis (Range is from INR 200 crores to INR 600 Crores. For Rs. 200 Crores- 0 mark, and INR 600 Crores & above: 7 Marks) For Consortium Bid (turnover of lead bidder and consortium Members together): Points shall be awarded on pro-rata basis (Range is from INR 220 crores to INR 750 Crores. For INR 220 Crores- 0 mark, and 750 Crores & above: 7 Marks) <p><u>For Example:</u> If Turnover of a sole bidder is INR 300 Crores. Point = $(300-200)*7/(600-200)= 1.75$</p>		<ul style="list-style-type: none"> Audited financial statements for last three Financial Years. Statutory auditor's certificate clearly specifying the annual turnover for the specified years. MoA/AoA shall be submitted showing the area of business.
TQ 2.0	CMMi Level Certification (Sole Bidder or any member of the consortium)	3.5	
TQ 2.1	CMMi Level 3	2.0	<ul style="list-style-type: none"> CMMi certificate copy to be attached
TQ 2.2	CMMi Level 5	3.5	
TQ 3.0	Relevant Experience	40.5	
TQ 3.1	<ol style="list-style-type: none"> Criteria: Execution of Command and Control Centre related projects Criteria shall be met by: Sole Bidder or Any Member of a consortium Project: As a System Integrator for the implementation & maintenance of Command Control and Communication Centre (Comprising minimum of Command Control Centre Application, Dashboard, Video Wall and Operation Room) in the last 7 (Seven) financial years. 	16.0	<ol style="list-style-type: none"> Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order with value excluding civil/mechanical/ HVAC works; Completion/Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead with value excluding civil/mechanical/HVAC works OR Self-certificate from

#	Technical Evaluation Criteria	Marks	Documentary Evidence
	<p>Project must meet the following conditions to be considered as an eligible project:</p> <p>(i) Successfully completed (Implementation as well as Maintenance) OR (ii) Completed implementation i.e. Go-Live of all modules as per the SoW and realized at least 50 % of CAPEX cost/Fee as per Contract Agreement</p> <p>3. Client: Project should have been executed for Central Government/ State Government/PSU/ ULB/Govt. Boards/Defence/Metro Rail in India or Globally</p> <p>4. Project Cost: Should not be less than INR 15 Cr (in case of projects in India) or INR 30 Cr (in case of projects done Globally)</p> <p>5. Scoring Structure: For two projects – 6 marks, For each additional project 5 marks would be awarded. Maximum 4 projects would be considered for evaluation.</p>		<p>the bidder signed by the concerned project in-charge of the bidder and counter signed by authorized signatory for this bid holding written special power of attorney along with the official contact details of the competent authority of the client entity along with Work Order. The Client reserves the right to contact the aforementioned competent authority.</p> <p>In case of large orders/orders with operations & maintenance phase, the completion may specify successful execution and in operation status of a part of the order meeting the requirement.</p>
TQ 3.2	<p>1. Criteria: Execution of Command and Control Centre related projects in Smart Cities in India</p> <p>2. Criteria shall be met by: Sole Bidder or Any Member of a consortium</p> <p>3. Project: As a System Integrator for the implementation & maintenance of Command Control and Communication Centre (Comprising minimum of Command Control Centre Application, Dashboard, Video Wall and Operation Room) in the last 7 (Seven) financial years.</p> <p>Project must meet the following conditions to be considered as an eligible project:</p> <p>(i) Successfully completed (Implementation as well as Maintenance) OR (ii) Completed implementation i.e. Go-Live of modules as per the SoW of Contract Agreement</p> <p>4. Client: Project should have been executed for any of the 100 selected smart cities in India</p> <p>5. Project Cost: Should not be less than INR 15 Cr.</p> <p>6. Scoring Structure: For each project 2.25 marks would be awarded. Maximum 2 projects would be considered for evaluation.</p>	4.5	<ol style="list-style-type: none"> 1. Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order with value excluding civil/mechanical/ HVAC works; 2. Completion/Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead with value excluding civil/mechanical/HVAC works OR Self-certificate from the bidder signed by the concerned project in-charge of the bidder and counter signed by authorized signatory for this bid holding written special power of attorney along with the official contact details of the competent authority of the client entity along with Work Order. The Client reserves the right to contact the aforementioned competent authority. <p>In case of large orders/orders with operations & maintenance phase, the completion may specify successful execution and in operation status of a part of the order meeting the requirement.</p>

#	Technical Evaluation Criteria	Marks	Documentary Evidence
TQ 3.3	<p>1. Criteria: Execution of Intelligent Traffic Management System related projects</p> <p>2. Criteria shall be met by: Sole Bidder or Any Member of a consortium</p> <p>3. Project: As a System Integrator for the implementation & maintenance of any Intelligent Traffic Management System project [comprising at least two (2) out of 1. Red Light Violation Detection System (RLVD), 2. Automatic Number Plate Recognition (ANPR), 3. Adaptive Traffic Control system (ATCS) {Vehicle Detection System with Application etc.} and 4. Variable Message Sign Boards (VMSB)] in the last 7 (Seven) financial years. Project must meet the following conditions to be considered as an eligible project:</p> <p>(i) Successfully completed (Implementation as well as Maintenance) OR (ii) Completed implementation i.e. Go-Live of all modules as per the SoW and realized at least 50 % of CAPEX cost/Fee as per Contract Agreement</p> <p>4. Client: Project should have been executed for any Central Govt. / State Govt. / PSUs/ ULBs/ Govt. Boards in India. <i>Projects for Metro rail or Railways wouldn't be consider for technical evaluation under this category.</i></p> <p>5. Project Cost: Should not be less than INR 10 Cr.</p> <p>6. Scoring Structure: For two projects – 3 marks. For each additional project 3 marks would be awarded. Maximum 4 projects would be considered for evaluation.</p>	9.0	<p>1. Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order with value excluding civil/mechanical/ HVAC works;</p> <p>2. Completion/Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead with value excluding civil/mechanical/HVAC works OR Self-certificate from the bidder signed by the concerned project in-charge of the bidder and counter signed by authorized signatory for this bid holding written special power of attorney along with the official contact details of the competent authority of the client entity along with Work Order. The Client reserves the right to contact the aforementioned competent authority.</p> <p>In case of large orders/orders with operations & maintenance phase, the completion may specify successful execution and in operation status of a part of the order meeting the requirement.</p>
TQ 3.4	<p>1. Criteria: Execution of Tier III/ Rated-3/ project with 99.982% uptime for data center related projects</p> <p>2. Criteria shall be met by: Sole Bidder or Any Member of a consortium</p> <p>3. Project: As a System Integrator for the implementation & maintenance of a Tier III/Rated-3 or above data Centre in the last 7 (Seven) financial years</p> <p>4. Client: Project should have been executed for any Central Govt. / State Govt. / PSUs/ ULBs/ Govt. Boards in India or Globally</p> <p>5. Project Cost: Should not be less than INR 10 Cr.</p> <p>6. Scoring Structure: For each project 2 marks would be awarded. Maximum 2 projects would be considered for evaluation.</p>	4.0	<p>1. Tier-III certification from Uptime Institute / Rated-3 certification from ANSI/TIA-942 / Client Certificate for 99.982% uptime</p> <p>2. Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order with value excluding civil/mechanical/ HVAC works;</p> <p>3. Completion/Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead with value excluding civil/mechanical/HVAC works OR Self-certificate from the bidder signed by the concerned project in-charge of the bidder and counter signed by authorized signatory for this bid holding written special power of attorney along with the official contact details of the competent</p>

#	Technical Evaluation Criteria	Marks	Documentary Evidence
			<p>authority of the client entity along with Work Order. The Client reserves the right to contact the aforementioned competent authority.</p> <p>In case of large orders/orders with operations & maintenance phase, the completion may specify successful execution and in operation status of a part of the order meeting the requirement.</p>
TQ 3.5	<p>1. Criteria: Execution of Smart Parking management system related projects</p> <p>2. Criteria shall be met by: Sole Bidder or Any Member of a consortium</p> <p>3. Project: As a System Integrator for the implementation & maintenance of any smart parking management system (comprising of parking management application, sensors for parking slots etc.) consisting of 100 or more ECS (Equivalent Car Space) parking slots in the last 7 (Seven) financial years</p> <p>4. Client: Project should have been executed for any Central Govt. / State Govt. / Semi-Government organizations / SPV with Government shareholding/ PSUs/ ULBs/ Govt. Boards in India/Globally</p> <p>5. Project Cost: Should not be less than INR 1 Cr.</p> <p>6. Scoring Structure: For each project 1 mark would be awarded. Maximum 2 projects would be considered for evaluation.</p>	2.0	<p>1. Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order with value excluding civil/mechanical/ HVAC works;</p> <p>2. Completion/Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead with value excluding civil/mechanical/HVAC works OR Self-certificate from the bidder signed by the concerned project in-charge of the bidder and counter signed by authorized signatory for this bid holding written special power of attorney along with the official contact details of the competent authority of the client entity along with Work Order. The Client reserves the right to contact the aforementioned competent authority.</p> <p>In case of large orders/orders with operations & maintenance phase, the completion may specify successful execution and in operation status of a part of the order meeting the requirement.</p>
TQ 3.6	<p>1. Criteria: Execution of ERP implementation related projects (COTS or Bespoke)</p> <p>2. Criteria shall be met by: Sole Bidder or Any Member of a consortium</p> <p>3. Project: As a system integrator for implementation & maintenance of any ERP system including utilities management/ billing & maintenance, HR & Payroll, Project Management, Vehicle Tracking System, Automated Fare Collection System, Asset</p>	5.0	<p>1. Work order/ Contract clearly highlighting the scope of work, Bill of Material and value of the contract/order with value excluding civil/mechanical/ HVAC works;</p> <p>2. Completion/Commission Certificate issued & signed by the competent authority of the client entity on the entity's Letterhead with value excluding</p>

#	Technical Evaluation Criteria	Marks	Documentary Evidence
	<p>management, Finance modules (comprising of at-least two modules) in the last 7 (Seven) financial years</p> <p>4. Client: Project should have been executed for any Central Govt. / State Govt. / PSUs/ ULBs/ Govt. Boards in India or Globally</p> <p>5. Project Cost: Should not be less than INR 5 Cr.</p> <p>6. Scoring Structure: For each project 2.5 marks would be awarded. Maximum 2 projects would be considered for evaluation.</p>		<p>civil/mechanical/HVAC works OR Self-certificate from the bidder signed by the concerned project in-charge of the bidder and counter signed by authorized signatory for this bid holding written special power of attorney along with the official contact details of the competent authority of the client entity along with Work Order. The Client reserves the right to contact the aforementioned competent authority.</p> <p>In case of large orders/orders with operations & maintenance phase, the completion may specify successful execution and in operation status of a part of the order meeting the requirement.</p>
TQ 4.0	Proposed Key Personnel	12.0	
TQ 4.1	Team Leader-cum-Program Manager	2.0	CV signed by Key Expert and Authorized Representative
TQ 4.2	Solution Architect	1.0	
TQ 4.3	IoT Expert	1.5	
TQ 4.4	Command Control & Communication Centre Expert	2.0	
TQ 4.5	Database Expert	1.5	
TQ 4.6	Security Expert	1.0	
TQ 4.7	GIS Expert	1.0	
TQ 4.8	BI Expert	1.0	
TQ 4.9	Manager – Software Development Team	1.0	
TQ 5.0	Technical Presentation	7.0	
TQ 5.1	Understanding of the project and details of proposed solution and architectures	To be Awarded by tender Committee	Technical Presentation
TQ 5.2	Approach & Methodology for Implementation (should cover Solution Architecture, scalability, Interoperability and modularity features considering the future expansion of the project and the detailed project execution of plan for completing it on time)		
TQ 5.3	Strategy for Cloud, DR requirements, SLA fulfilment and System Security		
TQ 5.4	Key learnings from the similar projects and recommendation for successful execution of the proposed project		
	Total	70	

Note:

- Any project experience shall be considered under only one category during technical evaluation.
- For projects where fee has been received in any currency other than Indian Rupees, than the foreign currency conversion rate available on Reserve Bank of India's portal as on the date of technical bid opening shall be used for conversion of amount in foreign currency to Indian Rupees equivalent.
- Projects executed for bidder's own or bidder's group of companies shall not be considered.
- Presentation shall be restricted around the submitted Technical proposal to the authority. Any deviation from the technical proposal, shall not be considered during evaluation. Presentation shall be made by team leader-cum-program manager and all seven experts proposed for the project needs to be present during the presentation.
- MSI will be selected under the Quality cum Cost Based System (QCBS) with weightages on 70:30 (Technical proposal and Financial proposal).
- Bidder who meets the minimum pre-qualification criteria and score at-least 70 % out of 63 marks (i.e. 44.1 marks) in above mentioned Criteria TQ1 to TQ4 will be called for Technical presentation.
- Financial Proposals of only those bidders will be opened who scores equal to or more than 49 (Forty Nine) out of 70 marks in Technical Evaluation.

Team Evaluation Matrix

#	Resource Role	Maximum Marks	Other Requirements
1.	Team Leader-cum-Program Manager	2.0	<p>a) Educational Qualification:</p> <ul style="list-style-type: none"> • BE/B. Tech with MBA/MS/M. Tech. or equivalent = 0.5 Mark • BE / B. Tech / MCA = 0.25 Mark <p>b) Certification :</p> <ul style="list-style-type: none"> • PMP / Prince 2 (P) Certification = 0.5 Mark <p>c) Work experience in the capacity of Project/Program Manager in ICT implementation Projects:</p> <ul style="list-style-type: none"> • >=10 years = 0.5 Mark • >=8 and < 10 years = 0.25 Mark <p>d) Project/Program management Experience in ICT implementation Project (Command Control /Intelligent Traffic Management System/Smart Parking Management System)</p> <ul style="list-style-type: none"> • > 3 Projects = 0.5 Marks • 2 – 3 Projects = 0.25 Mark
2.	Solution Architect	1.0	<p>a) Educational Qualification:</p> <ul style="list-style-type: none"> • BE / B. Tech with MS/M. Tech. or equivalent = 0.5 Mark • BE / B. Tech / MCA = 0.25 Mark <p>b) Certification :</p> <ul style="list-style-type: none"> • Any industry standard certifications like TOGAF = 0.25 Mark <p>c) Work experience in the capacity of Solution Architect:</p> <ul style="list-style-type: none"> • >=10 years = 0.5 Mark • >=7 and <10 years =0.25 Mark
3.	IoT Expert	1.5	<p>a)Educational Qualification:</p> <ul style="list-style-type: none"> • BE / B. Tech with MS/M. Tech. or equivalent = 0.5 Mark • BE / B. Tech / MCA = 0.25 Mark <p>b) Work experience in ICT based projects:</p> <ul style="list-style-type: none"> • >=7 years = 0.5 Mark • >=5 and <7 years = 0.25 Mark <p>c) Work experience of IoT related project implementation:</p> <ul style="list-style-type: none"> • 2 Projects = 0.5 Mark • At least 1 Project = 0.25 Mark

#	Resource Role	Maximum Marks	Other Requirements
4.	Command Control & Communication Centre Expert	2.0	a) Educational Qualification: <ul style="list-style-type: none"> • BE / B. Tech with MS/M. Tech. or equivalent = 0.5 Mark • BE / B. Tech / MCA = 0.25 Mark b) Work experience in setting-up Command Control Centre projects : <ul style="list-style-type: none"> • >=9 years = 0.5 Mark • >=6 and <9 years = 0.25 Mark c) Work experience in Command & Control Centre projects (Max. 1 Marks): <ul style="list-style-type: none"> • 0.5 Mark per project
5.	Database Expert	1.5	a) Educational Qualification: <ul style="list-style-type: none"> • BE / B. Tech with MS/M. Tech. or equivalent = 0.5 Mark • BE / B. Tech / MCA = 0.25 Mark b) Certification : <ul style="list-style-type: none"> • Any in Database (from the proposed OEM for this project) = 0.5 Mark c) Work experience in the capacity of DBA: <ul style="list-style-type: none"> • >=6 years = 0.5 Mark • >=3 and <6 years = 0.25 Mark
6.	Security Expert	1.0	a) Educational Qualification & Experience: <ul style="list-style-type: none"> • BE / B. Tech with MS/M. Tech. or equivalent <ul style="list-style-type: none"> ○ >=9 years of experience in the capacity of security expert = 0.5 Mark ○ >=6 and <9 years in the capacity of security expert = 0.25 Mark • BE / B. Tech / MCA <ul style="list-style-type: none"> ○ >=9 years of experience in the capacity of security expert = 0.25 Mark b) Certification : <ul style="list-style-type: none"> • Software Security (CISM, CISSP, ComPTIA Security+)= 0.5 Mark
7	GIS Expert	1.0	a) Educational Qualification: <ul style="list-style-type: none"> • BE / B. Tech with MS/M. Tech. or equivalent = 0.25 Mark • BE / B. Tech / MCA / MS= 0.15 Mark b) Work experience in the capacity of GIS Expert: <ul style="list-style-type: none"> • >=9 years = 0.5 Mark • >=6 and <9 years = 0.25 Mark c) Work experience as GIS Expert on Command Control / ITMS/ SPMS (maximum: 0.25 mark): <ul style="list-style-type: none"> • Two Project = 0.25 Mark

#	Resource Role	Maximum Marks	Other Requirements
8	BI Expert	1.0	a) Educational Qualification: <ul style="list-style-type: none"> • BE / B. Tech with MS/M. Tech. or equivalent = 0.25 Mark • BE / B. Tech / MCA / MS= 0.15 Mark b) Work experience in the capacity of BI/MIS Expert in urban domain <ul style="list-style-type: none"> • >=9 years = 0.75 Mark • >=7 and <9 years = 0.25 Mark
9	Manager – Software Development Team	1.0	a) Educational Qualification: <ul style="list-style-type: none"> • BE / B. Tech with MS/M. Tech. or equivalent = 0.5 Mark • BE / B. Tech / MCA / MS= 0.25 Mark b) Work experience in the capacity of team leader of a software development team <ul style="list-style-type: none"> • >=9 years = 0.5 Mark • >=7 and <9 years = 0.5 Mark