

**SMART CITY  
THIRUVANANTHAPURAM  
LIMITED**

**CORRIGENDUM No.1**

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**AMENDMENTS TO RFP**

**10-11-17**

## **AMENDMENT No.1**

**PAGE: 4**

**Details: In Point 3, Changes in following Sl.Nos**

- (f) Responses to all queries by
- (i) Date of Submission of e-tender
- (j) Date of opening of Technical Bid

**Hence the Point 3- Key Information should be read as provided below:**

### Point No 3. Key Information

S.N.	Description	Important Information
<b>a</b>	Date of online publication	28/09/2017
<b>b</b>	Mode of tendering	e-tendering , RFP can be downloaded from <a href="https://etenders.kerala.gov.in">https://etenders.kerala.gov.in</a>
<b>c</b>	Last date of receipt of queries (Queries before pre-proposal meeting) <i>(all queries to be sent by e-mail only to smartcityvm@gmail.com)</i>	14/10/2017
<b>d</b>	Date of Pre proposal meeting	17/10/2017
<b>e</b>	Last date for receipt of queries (Queries from pre-proposal meeting) <i>(all queries to be sent by e-mail only to smartcityvm@gmail.com)</i>	21/10/2017
<b>f</b>	Responses to all queries by	<u>10/11/2017</u>
<b>g</b>	EMD through e-tendering portal	Rs. 10,00,000.00 to the Bank Account of Smart City Thiruvananthapuram Limited
<b>h</b>	Tender processing fee through e-tendering portal only	Rs. 10,000.00 to the Bank Account of Smart City Thiruvananthapuram Limited
<b>i</b>	Date of submission of e- tender	<u>25/11/2017</u>
<b>j</b>	Date of opening of Technical Bid	<u>04/12/2017</u>
<b>k</b>	Date of opening of Financial Proposal	Will be intimated later to the qualified consultants after the technical evaluation

## AMENDMENT No. 2

**Page: 20;**

**Details:** In Clause No.11 of Part II Data Sheet, Changes in “A. For Time Based Components”

**Hence the details in the Clause should be read as provided below:**

11.	9.3 (b)	The estimated number of Professional staff-months required for the Assignment/job is:	<b>A. For Time Based components:</b> The Consultant’s Proposal must include the staff months indicated for Time Based component. <b>B. For Lump Sum component:</b> Estimated number of Professional staff-months is: [to be decided by the bidder].
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### AMENDMENT No. 3

#### Page 21

**Details:** In Clause No.15 of Part II Data Sheet, the words “but excluding Goods and Services Tax” had been replaced with “including Goods and Service Tax”.

**Hence the details in the Clause should be read as provided below:**

15	10	Taxes	The Financial Proposal shall take into account all expenses including Goods and Service Tax (GST) liabilities. All payments to consultants shall be subject to deduction of taxes at source as per Applicable Laws.
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## AMENDMENT No.4 (Pages: 23-26)

PAGE -23

### Details:

Under “Technical Criteria – Sub Criteria for Evaluation”, changes effected in

- (i) All Sub criteria of (A) SPECIFIC EXPERIENCE OF THE CONSULTANT (AS A FIRM) RELEVANT TO THE ASSIGNMENT
- (ii) Man Months of ‘E-Governance/ICT Specialist’ and ‘Social Development Specialist’ under (C) KEY PROFESSIONAL STAFF QUALIFICATIONS AND COMPETENCE FOR THE ASSIGNMENT

Hence the Sub-Criteria of Sl. No. (A) and Man Months in Sl. No. (C) should be read as provided below:

Sl. No.	Description	Maximum Percentage Points
A	<b>SPECIFIC EXPERIENCE OF THE CONSULTANT (AS A FIRM) RELEVANT TO THE ASSIGNMENT</b>	<b>30</b>
Experience in assignments as providing Project Development/ Project management/project Design & Supervision/ Project Design, Supervision and Management consultancy services at governmental levels (Central/State/Municipal/Public Sector Undertaking) ( to be submitted in FORM 2 E)		
<i>Sub criteria</i>		Marks in %
a) <i>Experience in Urban Planning Projects ( TP schemes/ Urban renewal/ Old area redevelopment project/ City development project/ Heritage management/ GIS based land use planning/ etc). The consultancy fee for each project should be minimum 25 lakh (3 projects) for which they get 2.5 marks and for every additional consultancy amount of 25 lakh an addition of 0.25 marks will be added subject to maximum of 5 mark.</i>		5
b) <i>Experience in Urban infrastructure projects ( Sewerage/ Septage management/ Storm water drainage/underground cabling/ road construction etc ). The consultancy fee for each project should be minimum 50 lakh (3 projects) for which they get 1.5 marks and for every additional consultancy amount of</i>		3

<p>50 lakh an addition of 0.25 marks will be added subject to maximum of 3 mark.</p>	
<p>c) Experience in Urban Transport planning projects ( Multimodal- transport integration/ NMT- Pedestrianisation / LRTS/ ToDetc). The consultancy fee for each project should be minimum 25 lakh (3 projects) for which they get 2 marks and for every additional consultancy amount of 25 lakh an addition of 0.25 marks will be added subject to maximum of 4 mark.</p>	4
<p>d) Experience in Energy management/ Energy efficiency improvement (Promotion of solar and other renewable energy). The consultancy fee for each project should be minimum 10 lakh (3 projects) for which they get 1.5 marks and for every additional consultancy amount of 10 lakh an addition of 0.25 marks will be added subject to maximum of 3 mark.</p>	3
<p>e) Experience in Environmental Engineering (Solid waste Management Environmental Impact Studies , Conservation of water Bodies/canals etc). The consultancy fee for each project should be minimum 10 lakh (3 projects) for which they get 1 marks and for every additional consultancy amount of 10 lakh an addition of 0.25 marks will be added subject to maximum of 2 mark.</p>	2
<p>f) Experience in E- Governance/Smart infrastructure technical Solutions (Development of citizen database preparation, applications for governance etc). The consultancy fee for each project should be minimum 50 lakh (3 projects) for which they get 2 marks and for every additional consultancy amount of 50 lakh an addition of 0.25 marks will be added subject to maximum of 4 mark.</p>	4
<p>g) Experience in implementing ICT projects in similar nature in India or abroad. The consultancy fee for each project should be minimum 50 lakh (3 projects) for which they get 1.5 marks and for every additional consultancy amount of 50 lakh an addition of 0.25 marks will be added subject to maximum of 3 mark.</p>	3
<p>h) Experience in planning/design/project management of Inclusive planning projects ( poverty alleviation/ affordable housing/slum improvement etc.) The consultancy fee for each project should be minimum 10 lakh (3 projects) for which they get 1.5 marks and for every additional consultancy amount of 10 lakh an addition of 0.25 marks will be added subject to maximum of 3 mark.</p>	3

i) <i>Experience in Public Finance ( Credit rating, Issuing Municipal bonds, Municipal Financial Assessment/ Financial Modelling in Urban Infrastructure and PPP. etc). The consultancy fee for each project should be minimum 2 lakh (3 projects) for which they get 1.5 marks and for every additional consultancy amount of 2 lakh an addition of 0.25 marks will be added subject to maximum of 3 mark.</i>		3	
<b>Sub TOTAL</b>		30	
<b>(B)</b>	<b>ADEQUACY AND QUALITY OF THE PROPOSED METHODOLOGY, AND WORK PLAN IN RESPONDING TO THE TERMS OF REFERENCE (TORS)</b>	<b>30</b>	
<b>Sub Criteria</b>			
<p>(a) Technical Approach, Methodology including Presentation<sup>1</sup>to the client</p> <p>(b) Work Plan</p> <p>(c) Organization and Staffing</p> <p><i>The Client will assess whether the proposed methodology is clear, responds to the TORs as applied to the Smart City Proposal (SCP),work plan to analyze the SCP is realistic and implementable; overall team composition is balanced and has an appropriate skills mix to convert the SCP to modules/projects ; and the work plan has right input of Experts.</i></p> <p><i>The presentation shall be made by the Team leader or deputy team leader only as per the details provided in the CVs.}</i></p>			
<b>C</b>	<b>KEY PROFESSIONAL STAFF QUALIFICATIONS AND COMPETENCE FOR THE ASSIGNMENT</b>	<b>40</b>	
<b>Sub Criteria</b>			
<b>Sl. No.</b>	<b>Suggestive list</b>	<b>Indicative Man Months<sup>2</sup></b>	<b>Marks in %</b>
	Key Experts ( Core – team)		
1	Team Leader cum Urban Management Specialist	30	
2	Deputy Team Leader cum Construction Manager	30	
3	Infrastructure Specialist	30	

<sup>1</sup>For Technical approach and methodology presentation Consultants whosoever Shall qualify in the qualification documents shall be informed electronically in writing regarding the date of presentation.

<sup>2</sup>The consulting firm shall have freedom to modify the man-month inputs on the scope of work indicated in the TOR and technical proposal prepared by the consulting firm.



4	Procurement /Legal Expert	18	
5	Transport Planner	12	
6	Urban Designer	18	
7	E Governance/ ICT Specialist	30	
8	Energy Management Specialist	12	
9	Documentation/Knowledge Management Specialist	24	
10	Social Development Specialist	18	
11	Associate Engineers - Infrastructure(3 Nos)	72	
12	Associate Engineers – IT	24	
13	Finance Officer	30	
14	Other expert ( if any)		
15	Sub total		40

The number of points to be assigned to each of the above positions shall be determined considering the following sub-criteria and relevant percentage weights:

For all the above positions

- 1) Educational qualifications (20%) - Specialised /subject specific qualification relevant to the assignment
- 2) Adequacy for the Assignment (80%) - Experience in the sector/relevant assignments

Total weight: 100%

**AMENDMENT No.5**

**PAGE: 30**

**Details:** Row added for providing Net Profit.

**Hence the Form should be read as below:**

**Form 2B: Format for Financial Capability of the Consultant**

(Equivalent in Rs. crores)

<b>Consultant*</b>	-----( <i>Name of Consultant/ Consortium</i> )				
<b>FY</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>Total</b>	<b>Average</b>
<b>Annual Turnover</b>					
<b>Net Profit</b>					
<b>Certificate from the Statutory Auditor</b>					
This is to certify that .....( <i>name of the Consultant</i> ) has received the payments and earned net profit shown above against the respective years.					
Name of the audit firm:					
Seal of the audit firm					
Date:					
<i>(Signature, name and designation of the authorised signatory)</i>					

- # The Consultant should provide the Financial Capability based on its own financial statements. Financial Capability of the Consultant's parent company or its subsidiary or any associate company will not be considered for computation of the Financial Capability of the Consultant.
- \* Consultant should fill in details as per the row titled Annual turnover and net profit in the row below. In case the Consultant is a Consortium, for the purpose of evaluation on financial parameters, financial parameters of all the members shall be furnished in separate sheet for consideration.

## **AMENDMENT No.6**

**PAGE -34**

**Details:** The Point “B- On Inputs and Facilities to be provided by the employer” is not applicable.

**Hence the Form should be read as provided below:**

### **FORM TECH-3**

#### **COMMENTS AND SUGGESTIONS ON THE TERMS OF REFERENCE AND ON COUNTERPART STAFF AND FACILITIES TO BE PROVIDED BY THE EMPLOYER**

##### **A - On the Terms of Reference**

*[Suggest and justify here any modifications or improvement to the Terms of Reference you are proposing to improve performance in carrying out the Assignment/job (such as deleting some activity you consider unnecessary, or adding another, or proposing a different phasing of the activities). Such suggestions should be concise and to the point, and incorporated in your Proposal.]*

##### **B - On Inputs and Facilities to be provided by the employer**

Not Applicable

**AMENDMENT No.7**  
**(Pages 43-49)**

**Details:**

**The Following Changes are notified:**

<b>Page No.</b>	<b>Reference</b>	<b>Changes</b>
43	FORM FIN 1	(i) GST provision and (ii) <u>Expiration of the validity period of the Proposal</u>
44	FORM FIN 2	(i) Correction in breakdown of Costs of Time based tasks and Lump sum based tasks. (ii) The provision of Reimbursable for Time Based tasks is deleted (iii) The Indicative amount for Contingency is Rs.20,00,000
45	FORM FIN 3A	Correction in Notes in the Form
46	FORM FIN 4A	Form Deleted
47	FORM FIN 3B	Correction in Notes in the Form
48	FORM FIN 4B	Note added.
49	FORM FIN 5	Form Deleted
44-48	Form FIN 2 to FORM FIN-4B	The following note is added at the top of the forms: The Financial Proposal Shall be quoted through online only and not to be quoted while submitting the Technical Proposal

**Hence the Pages should be read as provided below:**

## SECTION 4: FINANCIAL PROPOSAL - STANDARD FORMS

### FORM FIN-1 FINANCIAL PROPOSAL SUBMISSION FORM

*[Location, Date]*

To: *[Name and address of Employer]*

Dear Sirs:

We, the undersigned, offer to provide the consulting Assignment/job for *[Insert title of Assignment/job]* in accordance with your Request for Proposal dated *[Insert Date]* and our Technical Proposal. Our attached Financial Proposal is for the sum of *[Insert amount(s) in words and figures<sup>3</sup>]*. This amount is inclusive of all the Domestic taxes including Goods and Service Tax (GST). We hereby confirm that the financial proposal is unconditional and we acknowledge that any condition attached to financial proposal shall result in reject of our financial proposal.

Our Financial Proposal shall be binding upon us subject to the modifications resulting from Contract negotiations, up to expiration of the validity period of the Proposal, i.e. before the date indicated in the Part II Data Sheet.

We understand you are not bound to accept any Proposal you receive.

Yours sincerely,

Authorized Signature *[In full and initials]*:

Name and Title of Signatory:

Name of Firm:

Address:

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<sup>3</sup>Sub Total (A) as per Form FIN 2

## FORM FIN-2

(The Financial Proposal Shall be quoted through online only and not to be quoted while submitting the Technical Proposal)

## SUMMARY OF COSTS

Particulars	Amount in Rupees
<b>A. Competitive Components</b>	
<b>‘Time Based (Task 1&amp;3)’</b>	
(A .1) <b>Remuneration</b> (Please note that amount shall be the same as in Form FIN-3A)	
<b>Total Cost of ‘Time Based’ [M3]</b>	
<b>‘Lump Sum (Task 2)’</b>	
(B.1) <b>Remuneration</b> (Please note that amount shall be the same as in Form FIN-3B)	Y 1
(B.2) <b>Reimbursable</b> (Please note that amount shall be the same as in Form FIN-4B)	Y 2
<b>Total Cost of ‘Lump Sum’ [M1]</b>	Y1 + Y2
<b><u>Sub Total (A)<sup>4</sup> = [M3 +M1]</u></b>	
<b>B. Non-Competitive Components</b>	
Contingencies	<b>20,00,000.00</b>
<b><u>Sub Total (B)</u></b>	
<b><u>Total Cost of Financial Proposal (A+B)</u></b>	

*Authorized Signature*

Name: .....

Designation .....

Name of firm:

Address

<sup>4</sup>The Evaluation of Proposal shall be done on Competitive Components only

**FORM FIN-3A (TIME BASED –TASK 1&3)**

(The Financial Proposal Shall be quoted through online only and not to be quoted while submitting the Technical Proposal)

**BREAKDOWN OF REMUNERATION**

(PROFESSIONAL STAFF AND SUPPORT STAFF)

(For details please refer to Note below)

S.No.	Name of Staff	Position	**Man Month Rates (A) in Rupees	Proposed Man Months (B)	Total Amount in Rupees.* (A)*(B)
	Key professionals * <sup>1</sup>				
1					
2					
3					
4					
	Support Staff * <sup>2</sup>				
	Total				

\*- Mention the currency in which the prices are quoted if it is permitted to do so under RFP.

\*1 Key Professionals are to be indicated by name

\*2 Support Staff is to be indicated per category (e.g: Draftsman, Assistant etc.)

**\*\*Total Remuneration = \_\_\_\_\_ Amount in Rupees**

(Amount in Words):

**Note:**

- 1 Professional Staff should be indicated individually; Support Staff should be indicated per category (e.g.draftsmen, Assistants etc.).
- 2 Positions of Professional Staff shall coincide with the ones indicated in Form TECH-5 & 7.
- 3 Indicate separately staff-month rate for each activity separately.
- 4 \*\* Man month rates shall cover the monthly salaries, all reimbursable expenses, direct and indirect costs related to the site and office management expenses, administrative costs etc.. A deduction of 10 percent will be made on every payment request submitted by the Consultant which will be released upon issuance of discharge certificate.

**(PAGE-46)**

**FORM FIN- 4A (TIME BASED –TASK 1&3); BREAKDOWN OF REIMBURSABLE EXPENSES IS DELETED.**

**DELETED**



**FORM FIN-3B (LUMP SUM –TASK 2)**

(The Financial Proposal Shall be quoted through online only and not to be quoted while submitting the Technical Proposal)

**BREAKDOWN OF REMUNERATION**

(PROFESSIONAL STAFF AND SUPPORT STAFF)

(For details please refer to Note below)

When used for ‘Lump-Sum’ contract assignment, information to be provided in this Form shall only be used to demonstrate the basis for the calculation of the Contract’s ceiling amount; to calculate applicable taxes at contract negotiations; and, if needed, to establish payments to the Consultant for possible additional services requested by the Client. This Form shall not be used as a basis for payments under ‘Lump-Sum’.

S.No.	Name of Staff	Position	Man Month Rates (A) in Rupees	Proposed Man Months (B)	Total Amount in Rupees.* (A)*(B)
Key professionals * <sup>1</sup>					
1					
2					
3					
4					
Support Staff * <sup>2</sup>					
	<b>Total</b>				

\*- Mention the currency in which the prices are quoted if it is permitted to do so under RFP.

\*1 Key Professionals are to be indicated by name

\*2 Support Staff is to be indicated per category (e.g: Draftsman, Assistant etc.)

**Total Remuneration = \_\_\_\_\_ Amount in Rupees**

(Amount in Words):

**Note:**

- Professional Staff should be indicated individually; Support Staff should be indicated per category (e.g.: draftsmen, Assistants etc.).
- Positions of Professional Staff shall coincide with the ones indicated in Form TECH-5 & 7.
- Indicate separately staff-month rate for each activity separately. The total remuneration shall be all inclusive and fixed lump-sum and no additional claims will be entertained by the consultants if any extra services are required.
- A deduction of 10 percent will be made on every payment request submitted by the Consultant which will be released upon issuance of discharge certificate.

**FORM FIN-4B (LUMP SUM-TASK 2)**

(The Financial Proposal Shall be quoted through online only and not to be quoted while submitting the Technical Proposal)

**BREAKDOWN OF REIMBURSABLE EXPENSES**

When used for 'Lump Sum' contract assignment, information to be provided in this Form shall only be used to demonstrate the basis for calculation of the Contract ceiling amount, to calculate applicable taxes at contract negotiations and, if needed, to establish payments to the Consultant for possible additional services requested by the Client. This form shall not be used as a basis for payments under 'Lump Sum'

No	Description	Unit	Quantity	Unit Price In Rupees	Total Amount in Rupees
1.	Per diem allowance, including hotel allowance, for experts for every day of absence from the home office for the purposes of the Services	Per day			
2.	Cost of office operation, including overheads and back-stop support	Per Month			
3	Local Transportation	Vehicle Month			
4	Communication Costs to all personnel and Office	Per Month			
5.	Cost of Reports Production (including printing) and delivering to the Client at project Cities and Central office	Per Month			
6.	Other Allowances where applicable				
<b>Sub Total: Reimbursable Expenses carried to FIN 2</b>					

**\*Total Reimbursable: = \_\_\_\_\_ Total amount in Rupees.**

Amount in words:

Note:

1. The above reimbursable expenses shall cover all expenses related to the Item as well as any other Tasks if required under Time based Components.
2. A deduction of 10 percent will be made on every payment request submitted by the Consultant which will be released upon issuance of discharge certificate.

**(PAGE 49)**

**FORM Fin-5 “PROVISIONAL SUMS AND CONTINGENCIES” IS DELETED.**

**DELETED**

## AMENDMENT No.8

Pages 50-52

**Details:** Changes effected in

- (i) Point No.4 – FORM FIN 4(A) (Deleted) and 4(B)- Reimbursable Expenses
- (ii) Point No.5 – PROVISIONAL SUMS Deleted
- (iii) Point No.6 – Contingencies is renumbered as Point No.5

**Hence the Appendix should be read as provided below:**

### APPENDIX NOTE FOR PREPARATION OF FINANCIAL PROPOSAL

- 1 **Form FIN-1** Financial Proposal Submission Form shall be filled as per the instructions provided in the Form.
- 2 **Form FIN-2** Summary of Costs: Form FIN-2 provides a summary of the elements of estimated costs for implementation of the proposed Consultant services.
- 3 **Form FIN-3 (A) and 3(B)** Remuneration
  - (i) The purpose of Form FIN-3A & 3B is to identify the monthly billing rates for each Personnel to be fielded by the Consultant as part of its proposed team of experts.
  - (ii) Months; number of months input to match that shown on the personnel schedule (Form TECH-7, Section 3). **Please note that the man month for Time Based components shall be equal to that mentioned in ToR.** The month shall be calculated as per follows:  
$$1 \text{ year} = 12 \text{ months} = 252 \text{ working days}$$
  - (iii) Support Staff is also included in this form.
- 4 **Form FIN 4 (B)** –Reimbursable Expenses

The purpose of Form 4B is to identify all reimbursable expenditures in local currencies considered by the Consultant necessary to carry out **the assignments specified under tasks 1, 2& 3.**

  - (i) Per Diem allowance

The Per Diem allowance shall be paid for stay requirements outside Home Office for night spent away outside Home Office during such travel. The travel shall be undertaken with prior consent of the Client. The payment will be made on verification and approval of actuals by SCTL.

(ii) Office Operations

The Consulting firm is required to quote expenses for office expenses towards office operation and maintenance including all consumables and documentations as required for the project. The monthly payment shall be made on verification and approval of actuals by SCTL.

(iii) Office Accommodation

This shall be applicable only in case the office accommodation is not provided by the Project City or Central Office. The Consulting firm is required to quote rental value of accommodation for Office. The monthly payment shall be made on verification and approval of actuals by SCTL.

(iv) Local Transport

The Consulting firm is required to quote expenses for local transportation at central and project office as required for the project. The monthly payment shall be made on verification and approval of actuals by SCTL. The arrangement to be finalise at Contract Negotiations

(iv) Communication Costs

The Consulting firm is required to quote expenses for Communication Costs to all personnel and office as required for the project. The monthly payment shall be made on verification and approval of actuals by SCTL.

(iv) Report Production

The Consulting firm is required to quote lump sum expenses for Report Production as required for the project. The monthly payment shall be made on verification and approval of actuals by SCTL.

**5. Contingencies**

The provision of contingencies shall be there as indicated in Form FIN -2, Summary of Costs

**(Earlier Point 5 dealing with Provisional Sums is deleted and earlier Point No.6 is renumbered as Point No.5). The page 52 stays blank.**

## AMENDMENT No.9

(Pages: 66-74)

The Following Changes are notified:

Details:

Page	Position	Correction
67	Time Based Tasks 1&3; Core Team- (3) Infrastructure Specialist	Correction in Man Months
68	Time Based Tasks 1&3; Core Team- (4) Procurement/Legal Expert	Correction in Man Months
68	Time Based Tasks 1&3; Core Team- (7) E Governance/ICT Specialist	Correction in Man Months
69	Time Based Tasks 1&3; Core Team- 10) Social Development Specialist	Correction in Man Months
70	Task 3 Support Staff; (4) Engineering Associate (Infrastructure -2 Nos)	Correction in Man Months
72	Task 2 Lump Sum Contract (3)ICT System/Solutions Architect	A point added in Minimum qualification & Experience

Hence the tables should be read as provided below:

13. The CVs of the core team shall be evaluated for technical score are indicated below:

	Position	Man mon ths	Minimum Qualification & Experience
<b>For Time Based Contract (Task 1 &amp; 3)</b>			
<b>Task 1: Core Team <sup>5</sup>for Project Management(The CVs shall be submitted by the Consultant for the following professionals)</b>			
1.	Team Leader cum Urban Management Specialist	30	<ul style="list-style-type: none"> <li>• Masters in Urban Planning with 10 years of post-qualification experience. Or Bachelor's Degree in Urban Planning/ Engineering and an MBA from a recognised University/ Institute through Regular course and 15 years of experience.</li> <li>• Experience of Project Management in Urban Infrastructure Works. Experience as Team leader/ Deputy Team leader for minimum 3 projects as part of consultant team.</li> <li>• Knowledge of urban development policies, issues and Project experience.</li> <li>• Knowledge and Experience of implementing suitable PPMS for projects preferably related to urban sector and experience in Project Management tools.</li> </ul>

<sup>5</sup>SPV may change the core team and the man days as per the requirement of the Projects identified under Smart City Proposal and accordingly evaluate the CVs of core team for technical score.



2.	Dy Team Leader & Construction Manager	30	<ul style="list-style-type: none"> <li>• Masters in Civil Engineering or equivalent stream of civil engineering ( any of the infrastructure Components) with 8 years of total experience and 6 years of exclusive experience in Urban Infrastructure Projects</li> </ul> <p>Or</p> <p>Bachelor's Degree in Civil Engineering or equivalent stream of civil engineering with 12 years of total experience and 8 years of exclusive experience in Urban Infrastructure Projects.</p> <ul style="list-style-type: none"> <li>• Experience in Infrastructure project implementation. (Water supply/sewerage/septage/ SWM/ Roads etc)</li> <li>• Experience of designing and implementing a suitable PPMS for projects preferably related to urban sector</li> <li>• Knowledge of different construction methodologies.</li> <li>• Knowledge of latest Project Management Tools.</li> </ul>
3.	Infrastructure Specialist	30	<ul style="list-style-type: none"> <li>• Master's in Civil Engineering or equivalent stream of civil engineering (any of the infrastructure components)</li> <li>• 8 years of total experience with 6 years exclusive in Urban Sector as Consultant</li> <li>• Experience in city wide urban development and infrastructure planning / design (Water supply/ Sewerage / Septage/SWM/Urban Roads etc)</li> <li>• Knowledge of urban development issues and project experience.</li> <li>• Knowledge of different construction methodologies.</li> <li>• Knowledge of latest Project Management Tools</li> </ul>

4.	Procurement/Legal Expert	18	<ul style="list-style-type: none"> <li>•Degree in Engineering / law/ Management/Business Administration.</li> <li>•10 years experience in the area of public procurement.</li> <li>•Experience in contract procurement / management in infrastructure projects</li> <li>•Knowledge of State Purchase Manual.</li> </ul>
5	Transport Planner	12	<ul style="list-style-type: none"> <li>• Masters Degree in Transportation Planning/ Transportation Engineering/ Highway Engineering/ Highway Planning</li> <li>• 7 years of experience in the area of Urban Transport Planning</li> <li>• Experience in city Mobility Plan preparation/Transit Oriented Development (TOD)</li> </ul>
6	Urban Designer	18	<ul style="list-style-type: none"> <li>• Masters in Urban Design/Architecture or equivalent</li> <li>• 7years experience in Urban Designing /place making etc</li> <li>• Experience in Transit Oriented Development</li> <li>• Experience in Local area planning, preparing Development Control Regulations etc</li> </ul>
7	E Governance/ ICT Specialist	30	<ul style="list-style-type: none"> <li>• Master's / Bachelor Degree in Computer Engineering or Information Technology or Equivalent /MCA/MSc-IT</li> <li>• 7years' relevant experience in Information Technology area</li> <li>• Experience in working with the GoI/State Government/ ULB or in other institution for Design / development of large&amp; complex ICT integrated solutions / systems implementation projects</li> <li>• Experience in system/solution/technology architecture design /development/implementation &amp;consulting.</li> <li>• Experience in Information digital data management</li> <li>• Experience in system integration and application development</li> <li>• Experience in preparation of technical bid document of ICT related works, solution specification including integrated infrastructure and ICT systems etc.</li> </ul>

8	Energy Management Specialist	12	<ul style="list-style-type: none"> <li>• B-Tech in Electrical/ Power Engineering / related sector</li> <li>• 7years experience in power projects viz., planning/designing for power generation, transmission and distribution.</li> <li>• Experience energy auditing</li> </ul>
9	Documentation/ Knowledge Management Specialist	24	<ul style="list-style-type: none"> <li>• Master's degree in Urban Planning, Economics, Public Administration or any development related field</li> <li>• 7 years of Experience in preparing As if &amp; To be documents, DPRs, Project Management Documents, progress reports, capacity building, imparting training, preparation of training module etc</li> </ul>
10	Social Development Specialist	18	<ul style="list-style-type: none"> <li>• Masters Degree or equivalent in social development disciplines</li> <li>• 7years experience in Urban Poverty Alleviation. Experience in urban social welfare projects/ community mobilization/ Social Development Sub-Plan</li> </ul>
11	Associate Engineer (infrastructure)	24	Graduate in Civil Engineering 5years experience in construction/ supervision/ management of Urban Service delivery (Water Supply/ Sewerage/ Drainage/ Transportation/ Drainage/ Solid Waste Management)
12	Support Engineer (IT)	24	<ul style="list-style-type: none"> <li>• B. E. / B-Tech/MCA in Computer Science/ IT or equivalent</li> <li>• 5 years in implementing ICT projects implementation and execution</li> <li>• Should have at least two projects of consulting/ implementing end to end network/infra setup including wire/wireless with system analyst</li> <li>• Experience in Technology Consulting in ICT solution/system or Application deployment</li> </ul> <p>Understanding of ICT infra components in data center/ DR,BCP,Cloud and their performance</p>

13	Finance Officer	30	<ul style="list-style-type: none"> <li>Chartered Accountant/Cost Accountant (ICWA) with 7 years of relevant experience</li> <li>Masters Degree in Finance/Economics with specialization in Public Finance and 10 years of relevant experience</li> <li>Experience of municipal finance analysis, municipal budgeting and accounting and financial projections.</li> <li>Experience in working with ULB.</li> <li>Experience in financial modelling and Urban Infrastructure and PPP.</li> </ul>
<b>Task 3: Support Staff for Project Implementation and Supervision (The CVs shall be submitted by the Consultant for the following professionals)</b>			
1.	Construction Manager	24	<ul style="list-style-type: none"> <li>Graduate in Civil Engineering</li> <li>10 years' experience in construction management of Urban Service delivery projects (Water Supply/ Sewerage/ Drainage / Drainage/ Solid Waste Management).</li> </ul>
2.	Assistant Construction Manager	24	<ul style="list-style-type: none"> <li>Graduate in Engineering</li> <li>5 years' experience in construction management of Urban Service delivery (Water Supply/ Sewerage/ Drainage/ Transportation/ Drainage/ Solid Waste Management)</li> </ul>
3.	Landscape Architect	3	<ul style="list-style-type: none"> <li>Master's degree in Landscape Architecture with Degree in Architecture</li> <li>10 years' relevant experience</li> <li>Experience in preparation of technical requirement plans / document pavement design /street scape/ landscaping etc.</li> </ul>
4.	Engineering Associate (Infrastructure Nos)	-2 48	<ul style="list-style-type: none"> <li>Degree/Diploma in relevant branch</li> <li>Degree in (relevant branch) Engineering with 2 years' experience Or Diploma in (relevant branch) Engineering with 4 years' experience</li> </ul>

5.	Engineering Associate (IT)	24	<ul style="list-style-type: none"> <li>• Degree/Diploma in relevant branch</li> <li>• Degree in (relevant branch) Engineering with 2 years' experience</li> <li>• Or Diploma in (relevant branch) Engineering with 4 years' experience</li> </ul>
<b>For Lump Sum Contract</b>			
<b>Task 2: Project Design and Development Team (The CVs shall be submitted by the Consultant for the following professionals. However, consultancy firm may propose additional skill sets to complete the task. consultancy firm t should also propose the duration for assignment for these professional based on their approach and methodology)*</b>			
1.	Urban Planner	<ul style="list-style-type: none"> <li>• Post graduation in Urban Planning</li> <li>• 5-7 years' experience in integrated land use planning</li> <li>• Experience in GIS based land use planning, preparing Master Plan/CDP/SCP etc</li> <li>• Experience developing “Development Control Regulations”</li> <li>• Knowledge of land management tools like land pooling, TDR etc</li> <li>• Experience in Urban research</li> </ul>	
2.	Landscape/ Architects	<ul style="list-style-type: none"> <li>• Master's degree in Landscape Architecture with Degree in Architecture</li> <li>• 5-7 years' relevant experience</li> <li>• Experience in preparation of technical requirement plans / document pavement design /street scape/ landscaping etc.</li> </ul>	

3.	ICT System/Solutions Architect	<ul style="list-style-type: none"> <li>• Master's / Bachelor Degree in Information Technology or Equivalent /MCA/MSc-IT</li> <li>• 14 years' relevant experience in Information Technology area</li> <li>• Experience in working with the GoI/State Government/ ULB or in other institution for Design / development of large complex ICT integrated solutions / systems implementation projects</li> <li>• Experience in Technology integration and application development</li> <li>• Experience in Information and digital data management with process automation</li> <li>• Experience in system/solution/technology architecture design /development and implementation consulting.</li> <li>• Experience in preparation of ICT bid technical document, proposals, solution specification including integrated infrastructure and ICT systems</li> <li>• Experience in business reengineering report/re-engineering process in related projects.</li> </ul>
4.	Water Supply Expert	<ul style="list-style-type: none"> <li>• Degree in Civil Engineering with Post Graduation in PHE / Environment Engineering</li> <li>• 10 years' experience in water supply projects</li> <li>• Design and restructuring of water supply / distribution network projects</li> <li>• Experience in Operation &amp; Maintenance of Urban Water Supply schemes.</li> </ul>
5.	Solid Waste Management Expert	<ul style="list-style-type: none"> <li>• Master's degree Environmental/Public Health Engineering or equivalent</li> <li>• At least 10 years of extensive experience in solid Waste Management</li> </ul>
6.	Transportation Planner/ Engineer	<ul style="list-style-type: none"> <li>• Masters Degree in Transportation Planning/ Transportation Engineering/ Highway Engineering/ Highway Planning</li> <li>• 10 years of experience in the area of Urban Transport Planning</li> <li>• Experience in city Mobility Plan preparation, Transit Oriented Development (TOD) /</li> </ul>

7.	Solar Energy/ Renewable Energy Expert	<ul style="list-style-type: none"> <li>• B-Tech in Electrical/ Power Engineering / related sector</li> <li>• 7-12 years experience in power projects viz., planning/designing for power generation, transmission and distribution.</li> </ul>
8.	Electrical Engineering Expert	<ul style="list-style-type: none"> <li>• B-Tech in Electrical/ Power Engineering</li> <li>• 12 years similar experience</li> </ul>
9.	Affordable Housing Expert	<ul style="list-style-type: none"> <li>• Masters in Urban Planning/Housing</li> <li>• 10years experience in Urban Poverty Alleviation</li> <li>• Experience in affordable housing, low cost housing and cost effective construction technology, slum improvement plan preparation.</li> <li>• Knowledge of housing finance etc</li> </ul>
10.	Environment Management expert	<ul style="list-style-type: none"> <li>• Postgraduate in Environmental Engineering</li> <li>• 10 years' experience in conducting EIA, environment modelling &amp; preparing Environmental Management plans, Clean Development mechanism.</li> </ul>
11.	Transaction Advisor for PPP Projects	<ul style="list-style-type: none"> <li>• MBA (Finance) / CA/CFA or equivalent</li> <li>• 10 years' experience in project funding, structuring of PPP projects.</li> <li>• At least developed 02 (two) PPP projects for which the Concessionaire has been appointed and the projects are in execution and/or in operation mode.</li> </ul>
12.	Structural Engineer	<ul style="list-style-type: none"> <li>• Masters in Structural Engineering</li> <li>• 10 years related experience in designing urban facilities.</li> <li>• Should have the experience in structural design of infrastructure projects.</li> </ul>
13.	GIS & Remote Sensing Expert	<ul style="list-style-type: none"> <li>• Degree in Geography, Planning, Architecture with Diploma/ Certificate in GIS</li> <li>• At least 7 years of experience in working on similar projects (i.e. use of remote sensing &amp; GIS technology in urban sector projects)</li> <li>• Knowledge of major GIS software products, GPS, total station, coordinate reference systems, satellite remote sensing technology and GIS applications.</li> </ul>
14.	Heritage conservation expert	<ul style="list-style-type: none"> <li>• Bachelor's in Architecture</li> <li>• 10 years experience in heritage conservation work.</li> </ul>

15.	Cost Accountant	<ul style="list-style-type: none"> <li>• CA/Cost Accountants or equivalent</li> <li>• 5 Years professional experience</li> </ul>
16.	Sewerage & Drainage Expert	<ul style="list-style-type: none"> <li>• Bachelor Degree in Civil Engineering with Masters in Environment/ Hydraulic Engineering or equivalent</li> <li>• 10 years experience in designing of sewerage &amp; drainage system using latest software</li> </ul>
17.	Disaster Management Expert	<ul style="list-style-type: none"> <li>• Graduates with certificate course in disaster and emergency management</li> <li>• 5 years experience in relevant field</li> </ul>
18.	Horticulture Specialist	<ul style="list-style-type: none"> <li>• BSC Agriculture or Horticulture or equivalent</li> <li>• 10 Years experience in the field of Horticulture.</li> </ul>
19.	Utility Engineer	<ul style="list-style-type: none"> <li>• Degree in Civil/ Mechanical Engineering</li> <li>• 10 years' experience in utility services.</li> </ul>
20.	Information Security Systems Expert	<ul style="list-style-type: none"> <li>• MCA/ B Tech / M Tech in IT or equivalent with certification in CISSP/ CCSP/CICA</li> <li>• 10 years' experience in similar field</li> </ul>
21.	Application Analyst	<ul style="list-style-type: none"> <li>• BE / B.Tech or equivalent with application development experience</li> <li>• 10 years' experience in similar field of application development and deployment</li> <li>• Analyse application deployment and performance</li> </ul>
22.	Networking & IT Infrastructure Specialist	<ul style="list-style-type: none"> <li>• MCA/ B Tech / M Tech in IT with certification in CCNA</li> <li>• 10 years' experience in similar field</li> <li>• Experience in ICT project execution and implementation</li> <li>• Experience in Data centre and hardware sizing/ performance analysis</li> </ul>

\* The team composition is indicative. The Consultant shall review the composition and suggest suitable skill sets and man months for specialists and support staff as per their approach and methodology. However, for Time Based tasks minimum man month of professionals (mentioned above under respective tasks) should be followed while preparing the technical proposal.



## AMENDMENT No. 10

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### Details:

- (i) The provision for retention rate of 10% is added.
- (ii) FIN 4A deleted.

Hence the Payment Schedule should be read as provided below:

### (a) Payments shall be made according to the following schedule:

I. The payment shall be made as follows:-

Activity wise Deliverable	Payment Schedule
The accepted contract amount shall be in the following proportion;	
(a) Accepted Contract Amount (M)	
<b>LUMP SUM BASED FOR TASK 2 (Activity 2 -5)</b>	
(b) For Activity 2 to Activity 5, Lump sum amount (M <sub>1</sub> ) = Fin 3B + Fin 4B	
For Activity 2 to Activity 5 payment shall be made on pro rata basis of the modules For each module payment shall be (M <sub>2</sub> ) = M <sub>1</sub> X N N = Actual Module cost / Total cost* of Area Based Development and Pan City Proposals. * For total cost please refer Annexure I Within a module the total amount (M <sub>2</sub> ), for activity 2 to activity 5 shall be paid as mentioned below:	
Activity 2: a) For each ABD Module: Submission of Situation Analysis Report for Modules and its acceptance & approval by SCTL b) For Smart Solution Module: Submission of Business Re-engineering Report (BPR) and Final function requirement specifications (FRS) and its acceptance & approval by SCTL	25 % of M <sub>2</sub>
Activity 3 For each ABD and Smart Solution Module: Feasibility Study Report and its acceptance & approval by SCTL	25% of M <sub>2</sub>
Activity 4 For each ABD and Smart Solution Module: Submission of Detailed Project Report and its acceptance & approval by SCTL	37.5% of M <sub>2</sub>
Activity 5 For each ABD and Smart Solution Module: Submission of Bid Documents and its acceptance & approval by SCTL including Bid Process and Awarding of Contract.	12.5 % of M <sub>2</sub>

<b>TIME BASED FOR TASK 1&amp;3 (Activity 1 and 6)</b>
(a) For Activity 1 to Activity 6, Time Based amount (M <sub>3</sub> ) = Fin 3A
Monthly payment shall be made on Time Based Input of the Experts as per the per day professional fee quoted by the Consultant and accepted by the SCTL. The Monthly payment shall be made on the basis of actual deployment of man days and Approved Time Sheet(s) by the SCTL

**IMPORTANT NOTE:**

**10 percent deduction will be made on every gross payment certified to the consultant for both Time based and Lump Sum based Components. This 10% will be released to the consultant upon issuance of the discharge certificate.**

**Chief Executive Officer**

**Smart City Thiruvananthapuram Limited**