

Preparation of Detailed Project Report for "Integrating Blue Green Infrastructure in Urban Planning for Climate Change Adaptation and Mitigation in Chennai Metropolitan Area (CMA)"
Reply Matrix for Pre-proposal queries

Sl. No.	Reference section, Clause & Page No.	Existing Clause as per RFP	Firm's Query	PIU's Reply
1	Section 2. (ITC) clause clause no 27. Combined Quality and Cost Evaluation, Point b. Fixed-Budget Selection (FBS)	b. Fixed-Budget Selection (FBS) 27.1 In the case of FBS, those Proposals that exceed the budget indicated in ITC 14.1.4 of the Data Sheet shall be rejected. 27.2 The Client will select the Consultant with the Most Advantageous Proposal, which is the highest-ranked Technical Proposal that does not exceed the budget indicated in the RFP, and invite such Consultant to negotiate the Contract.	In data sheet ITC 14.1.4 is missing. Request you to provide the details	Since the procurement process for selection of consulting firm is QCBS, FBS method is not applicable. Hence ITC Clause 14.1.4 is not mentioned.
2	Section 8. Conditions of Contract and Contract Forms page 80 of RFP point no 3. Lump-Sum Contract	This type of contract is used mainly for assignments in which the scope and the duration of the Services and the required output of the Consultant are clearly defined. Payments are linked to outputs (deliverables) such as reports, drawings, bill of quantities, bidding documents, or software programs.	Please specify whether any specific or software programs is needed as part of deliverable.	No software program is expected as part of the deliverable
3	Section 7. Terms of Reference Point no 7 page no 77 of RFP	Hydrology Expert is expected to be Postgraduate degree in Hydrology/ Urban Water Resource Management	Postgraduate degree Environmental Engineering should also be added as an option for this specific role. Kindly modify the requirement as mentioned below: Proposed Postgraduate degree in Environmental Engineering /Hydrology/ Urban Water Resource Management	Agreed. corrigendum issued
4	Section 2. Instructions to Consultants - Data Sheet of Page no 32 of RFP C. Submission, Opening and Evaluation Clause no : 17.7 and 17.9	The Proposals must be submitted no later than: Date : 26th April 2023 Time :15.00 hrs. Local Time	Request four weeks (4 weeks) Extension for submission of competitive bid	Last date for submission is extended till 19.05.2023 corrigendum issued.

5	Section 7. Terms of Reference Page no 71 of RFP point no 3. 1 scope of work	a. Mapping of all the existing blue green infrastructure including tanks, temple tanks, micro drains green spaces along the roads, railway networks, public parks, traffic islands, OSR, vertical garden, terrace garden in Metropolitan Cities.	Consulting assignment related to similar task to be considered similar task i.e. public places. Are we suppose to perform survey works as well	Yes. Consultant is expected to use the available data with the line departments for the study and expected to conduct primary survey to collect the unavailable data.
6	Section 7. Terms of Reference Page no 68	Third Master Plan (TMP) for 2026-2046 under World Bank-assisted Tamil Nadu Housing and Habitat Development Project (TNHHDP) for an extent of 1189 sq.km. Recently, the Government of Tamil Nadu in the Housing and Urban Development Department in G.O.Ms. No. 184, dated 21.10.2022 accorded approval for the expansion of the CMA from 1189 sq.km. to 5904 sq.km.	Confirm Project area - 1189 sq.km. or 5904 sq.km.	The project area for this study is 1189 sq.km.
7	Section 7. Terms of Reference Page no 75 4. Data resources and collection	The CMDA will provide access to its available datasets and facilitate the consultant's access to other government-owned datasets. The consultant is expected to propose collection / procurement of datasets listed below but not limited to, during the Inception Report stage	Is Procurement and/or processing (feature extraction) of recent satellite imagery for DEM and/or Landcover part of scope under this project? Cost for procurement of all data shall be borne by CMDA?	The relevant data available with CMDA for 1189 sq.km are DTM data, Satellite imagery, shape files of administrative and revenue boundaries will be shared subject to necessity. For the rest, the consultant is expected to obtain it on their own. Corrigendum issued
8	Section 7. Terms of Reference Page no 75 4. Data resources and collection		Is there any primary survey and or ground truthing requirements as part of scope under this project	Yes. Consultant is expected to use the available data with the line departments for the study and expected to conduct primary survey to collect the unavailable data. For authorised secondary data obtained from the line departments does not require Ground truthing

9	Section 7. Terms of Reference Page no 72 Task 1.1	Preparation of broad contour map for CMA in GIS	DEM and/or Stereo imagery for preparation of contour map will be provided by CMDA?	Reply as given in S.No.7
10	Section 7. Terms of Reference Page no 72 Task 1.2	Mapping of all the existing blue green infrastructure including micro drains and small green spaces such as road side parks, parks, traffic junctions, OSR, vertical garden, terrace garden in CMA in GIS using recent satellite images.	Confirm Scale NIUS 1:10,000	The scale is 1:5000 for individual villages maps & 1:10000 for overall Map For micro level details 1:5000 shall be furnished
11	Section 7. Terms of Reference Page no 72 Task 1.3	Mapping the boundaries of the water courses / water bodies and all the missing links as per Public Works Department (PWD) revenue classification and historic satellite images.	We request Public Works Department (PWD) revenue classification to be excluded from the scope under the project.	Not agreed. RFP condition holds good
12	TOR page 15, Section 8. "Duration and Location"	The team is expected to stay in Chennai for at least 60% of the time	Does this mean that a total 60% of the combined total man-months of the whole team must be spent within Chennai? Or does it mean that each individual key staff must spend 60% of his/her allotted man-months in Chennai?	A total 60% of the combined total man-months of the whole team must be spent within Chennai, while ensuring that field-inputs of no expert is proposed below 50% of her/his total time input As given in corrigendum
13	RFP page 45, TECH-2, B - Consultant's Experience	The requirement states that "1. List only previous similar assignments successfully completed in the last 7 years."	Is it permissible to use ongoing projects that commenced within the last 7 years? Or only completed projects are allowed for this section?	Only completed projects of similar nature are considered.
14	TOR page 13, 7. "List of Key Professionals"	The duration of each key position is specified as 36 weeks.	Is it permissible to split a key position into 2-3 separate experts if the total combined man-months still equal the designated 36 weeks? If so, how will the scoring of this position be made?	No splitup up in Key positions is allowed. As given in corrigendum

15	E. Data Sheet C. Submission, Opening and Evaluation 21.1 (for FTP) page 33, 34	2. Experience of the firm in similar projects... [30] Parameter: Should have completed at least two (2) assignments of similar nature exceeding Rs. 2 crores (US\$260,000) in any of the following areas in the last (7) seven years:	We request the authorities to kindly allow for the following modifications: Should have completed at least two (2) assignments of similar nature (citywide, regional, or national scale with inputs of the consultant exceeding Rs. 0.75 crores in any of the following areas in the last (10) ten years. Our request in this regard may please be accepted via corrigendum.	Not agreed. RFP condition holds good.
16	6. Data, Service, and Facilities to be provided by the Client page 77	The land details, sketches/maps, and data relating to this work available in the office of CMDA will be provided to the Consultant. The Consultants can access all basic information from the CMDA website www.cmdachennai.gov.in . The consultant can also access the study reports/documents in Second Master Plan, CCTS, and other related maps of CMDA.	We understand that CMDA has multiple ongoing / completed assignments closely related to the proposed study and many of such database maybe utilised by consultant during the course of DPR preparation. We request the Authorities to kindly clarify if Consultant shall be allowed / shared necessary raw data / information collected by other consultant / vendor with prior approval of CMDA Authorities. Our clarification may please be addressed during corrigendum.	CMDA will share only the data of the completed projects/studies as decided by the CMDA.

17	8. Duration and Location page 79	The services shall be delivered in Chennai, Tamil Nadu. The team is expected to stay in Chennai for at least 60% of the time.	<p>While we understand that CMDA prefers on-ground delivery of the assignment, we would like to highlight that most of our senior experts are based out of our home offices in New Delhi and their inputs shall be critical in success of the DPR.</p> <p>We request you to kindly modify the criteria as suggested below: The services shall be delivered in Chennai, Tamil Nadu. The team is expected to stay in Chennai for at least 40% of the time.</p> <p>Our request in this regard may please be accepted via corrigendum.</p>	Reply as given in S.No.12															
18	5. Timelines and Deliverables page 76	<p>The time of completion of the assignment is Nine months.</p> <table border="1" data-bbox="562 584 1037 1007"> <thead> <tr> <th>Stage</th> <th>Timeline</th> <th>Fee Schedule</th> </tr> </thead> <tbody> <tr> <td>Submission and approval of Inception Report</td> <td>Within 4 weeks from the date of issue of Letter of Award and acceptance thereof</td> <td>15% of the contract</td> </tr> <tr> <td>Submission and approval of Interim Report</td> <td>Within 10 weeks from the approval of the Inception report</td> <td>25% of the contract amount</td> </tr> <tr> <td>Submission and approval of Draft Final Report</td> <td>Within 16 weeks from the date of approval of the interim report.</td> <td>30% of the contract amount</td> </tr> <tr> <td>Submission and approval of Final Report</td> <td>Within 6 weeks of approval of the draft final report.</td> <td>30% of the contract amount</td> </tr> </tbody> </table>	Stage	Timeline	Fee Schedule	Submission and approval of Inception Report	Within 4 weeks from the date of issue of Letter of Award and acceptance thereof	15% of the contract	Submission and approval of Interim Report	Within 10 weeks from the approval of the Inception report	25% of the contract amount	Submission and approval of Draft Final Report	Within 16 weeks from the date of approval of the interim report.	30% of the contract amount	Submission and approval of Final Report	Within 6 weeks of approval of the draft final report.	30% of the contract amount	<p>We would like to highlight that 60% of the payment milestones proposed in the RFP is towards end deliverables (Draft and Final) whereas maximum efforts shall be undertaken by the Consultant during the initial 30 weeks.</p> <p>Currently the milestones proposed are adverse to the cash flow of the consultant and we request to curate the same as follows: Submission and approval of Inception Report - 20% of the contract amount Submission and approval of Interim Report - 30% of the contract amount Submission and approval of Draft Final Report - 30% of the contract amount Submission and approval of Final Report - 20% of the contract amount</p> <p>Our request in this regard may please be accepted via corrigendum.</p>	As given in corrigendum
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19	3. Component 4: Task 4.2: page 74	The consultant shall develop suitable contextual BGI-oriented infrastructure design and policies for adaptation and mitigation. The design shall include a combination of structural and nonstructural (ecological-engineering) techniques.	As per the detailed scope of work, it states that design for structural including engineering services will be required. We request the authorities to kindly add the position of structural expert for water related projects for the better execution of assignment. Our request in this regard may please be accepted via corrigendum.	No change in team composition. However, the consultant can included as Non key /supporting staff which will not be considered for evaluation.
20	3. Component 4: page 74	Explore the potential for the application of nature-based landscape components and propose contextual BGI along with investment plan and implementation strategy and conceptual land use plan for CMA.	We recognise that an investment plan for the thorough investigation needs to be proposed in accordance with the specifics of the work's scope. It will be up to the finance or economic expert to finish the allocated component. We request the authorities to kindly add the position of financial expert for the better execution of assignment. Our request in this regard may please be accepted via corrigendum.	Reply as given in SI.No.19
21	Data sheet 17.7 and 17.9	The Proposals must be submitted no later than: Date : 26th April 2023	We would like to request that due date for the proposal may please be extended to 10th May 2023	Reply as given in SI.No.4

22	Data Sheet 21.1	<p>Parameter: Should have completed at least two (2) assignments of similar nature exceeding Rs. 2 crores (US\$260,000) in any of the following areas in the last (7) seven years:</p> <p>Should have completed at least two (2) assignments of similar nature exceeding Rs. 2 crores (US\$260,000) in any of the following areas in the last (7) seven years:</p> <p>a. Mapping of all the existing blue green infrastructure including tanks, temple tanks, micro drains green spaces along the roads, railway networks, public parks, traffic islands, OSR, vertical garden, terrace garden in Metropolitan Cities.</p> <p>b. Assessment of the historic trend of climate risks and the climate change impacts on the urban environment focusing on spatial planning for flood, coastal erosion, water scarcity/droughts, and heat waves</p> <p>c. assessment of demographic trend, institutional capacity for Nature-based solutions to develop contextual BGI with investment plan and implementation strategy & conceptual land use plan in cities with population exceeding 400,000</p>	<p>Should have completed at least two (2) assignments of similar nature exceeding Rs. 20 Lakhs (US\$25,000) in any of the following areas in the last (10) ten years:</p> <p>a. Mapping of all the existing blue green infrastructure including tanks, temple tanks, micro drains green spaces along the roads, railway networks, public parks, traffic islands, OSR, vertical garden, terrace garden in Metropolitan Cities.</p> <p>b. Assessment of the historic trend of climate risks and the climate change impacts on the urban environment focusing on spatial planning for flood, coastal erosion, water scarcity/droughts, and heat waves</p> <p>c. assessment of demographic trend, institutional capacity for Nature-based solutions to develop contextual BGI with investment plan and implementation strategy & conceptual land use plan in cities with population exceeding 400,000</p> <p>d. Formulation of master plans or development plans for cities or regions exceeding 100 sq.kms that have a component of BGI expressed through master plan proposals related to recharge areas, open space planning, flood management and control, planning and regulations for river and storm water edge management.</p>	As given in corrigendum
23	Page 53	Form Tech -7	Kindly clarify if this is required since the note in the parentheses suggests that this is required only for supervision of civil works contracts.	Tech-7 not required
24	Page 54	Section 4. Financial Proposal – Standard Forms	Kindly confirm that only FIN-1, FIN-2 and FIN-4 are required as a part of the financial proposal and please also confirm that FIN-3 (Breakdown of Remuneration) is not required to be submitted.	FIN-3 also required. However this form shall not be used a basis for payments under Lumsum contract
25	Section 7. Terms of Reference	<p>1.0 Background: The Chennai Metropolitan Area (CMA) falls in four districts of Tamil Nadu state viz. Chennai, parts of Thiruvallur, Kancheepuram, and Chengalpattu Districts covering an extent of 1189 sq.km.</p>	Kindly confirm that this study would be limited to the current boundaries of the CMA of 1189 sq.km and not the extended boundary of the CMA.	Reply as given in SI.No.6

26	Section 7. Terms of Reference	<p>3.0 Scope of the Study: iv) Nature-based solutions for protection of existing blue green elements and development of contextual BGI with investment plan and implementation strategy and conceptual land use plan for CMA.</p>	<p>Within this, please clarify the number of pilot projects that are expected to be delivered under component 4. We would also request you to kindly align the expectations of this tasks within the overall objectives of the study by making a small modification as highlighted:</p> <p>Conceptual level design strategies for Nature-based solutions for protection of existing blue green elements and development of contextual BGI with investment plan and implementation strategy framework, and conceptual land use plan for the three identified pilot projects within the CMA.</p>	<p>Development of contextual BGI with investment plan and implementation strategy with a detailed framework for one pilot project out of the three suggestive projects identified by the consultants can be taken up.</p> <p>Conceptual land use plan is not meant to cover the entire CMA, but only for the priority areas/priority investments proposed for nature based solutions. The consultant is expected to identify the priority area in consultation with the CMDA. Corrigendum issued</p>
27	Page 72 Component 1	<p>Task 1.1 Preparation of broad contour map for CMA in GIS</p>	<p>May we kindly request to client to share a document listing down available data that may be relevant to this assignment including GIS Data, Aerial Imagery (legacy and current), other datasets collected by CMDA associated with the various elements of this project. Kindly suggest the data source from which such mapping may be carried out. A DEM associated with the land terrain will be necessary for the whole of the CMA for this task.</p>	<p>Reply as given in S.No.7</p>
28	Page 72 Component 1	<p>Task 1.3: The road network and storm water drain network in urban areas to be included from the database of Greater Chennai Corporation (GCC), Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB) and concerned Local Bodies. Mapping the boundaries of the water courses / water bodies and all the missing links as per Public Works Department (PWD) revenue classification and historic satellite images.</p>	<p>a. What would be the map scale at which this mapping is expected?</p> <p>b. How far back in time, and at what time intervals is the historic mapping for water courses and water bodies expected?</p> <p>c. Can we assume that historic satellite imagery for water courses will be made available by CMDA?</p>	<p>a. Mapping scale - The scale is 1:5000 for individual villages maps & 1:10000 for overall Map</p> <p>b. Historic mapping for watercourses and water bodies can be mapped from 1970 and at the time interval of 5 years.</p> <p>c. No such data available with CMDA.</p>

29	Page 72 Component 1	Task 1.4: Mapping the cross sections of all water courses at crucial points with levels.	Kindly provide us with an understanding of approximately for how many locations is the mapping expected. OR Identify the categories of water sources for which such cross sections are expected. OR We request a suggestion to modify the requirement as follows Mapping the cross section of identified water sources at a total of 50 crucial locations with levels.	Consultant has to assess the critical points based on the micro drain size with in the study area. Consultant shall utilize Provisional Sums allotted for the surveys (or similar activities) Corrigendum issued
30	Page 72 Component 1	Task 2.1: The scope includes collection of primary and secondary data, a review of all available secondary information/reports/ bulletins/related journal articles, etc. and benchmark the best practices to protect and develop Blue Green Infrastructure in urban areas more specifically in coastal cities and conducting necessary field surveys as required. Detailed tasks include the following:	List of detailed tasks is missing. Kindly provide what the detailed tasks under Task 2.1 entail.	Detailed tasks are defined in Task 2.2 to 2.6 in page 72 of RFP. RFP condition holds good
31	Page 72 Component 1	Task 2.4: Conduct a landscape assessment from the mapping in component-1. To estimate the urban green cover and existing natural infrastructure (land use modeling) infrastructure potential map by overlaying the digitized	This sentence is incomplete. We would kindly request for clarification of the the scope of work.	As given in the corrigendum.
32	Page 72 Component 1	... A regional development plan at the basin level with a proactive conservation agenda (including greening along the river corridor) has to be prepared in consideration of sponge basins in Chennai to protect the upstream riverways and waterbodies in the study area.	At what scale is such a regional level plan expected? We understand, based on the meeting at CMDA on 5th April that a high level study has been conducted by JICA. If the work defined in this scope has to tie in to that study, a copy of the report may kindly be made available.	CMDA will provide the available related reports subject to relevance and necessity.

33	Page 72 Component 1	Task 4.2: The consultant shall develop suitable contextual BGI-oriented infrastructure design and policies for adaptation and mitigation. The design shall include a combination of structural and non-structural (ecological- engineering) techniques .	<p>a. Within this, please clarify the number of pilot projects that are expected to be delivered under component 4. We would also request you to kindly align the expectations of this tasks within the overall objectives of the study by making a small modification as highlighted:</p> <p>b. The consultant shall develop suitable contextual conceptual BGI-oriented infrastructure design and policies for adaptation and mitigation. The design shall include a combination of structural and non- structural (ecological-engineering) techniques and shall be illustrated through conceptual illustrative landscape and urban design drawings to reflect the strategies being suggested.</p>	<p>a. & b. Development of contextual BGI with the investment plan and implementation strategy with a detailed framework for one pilot project with the design. The design shall include a combination of structural and non-structural (ecological-engineering) techniques and shall be illustrated through conceptual illustrative landscape and urban design drawings to reflect the strategies being suggested</p> <p>Corrigendum issued</p>
34	Page 76 5. Timelines and Deliverables	The time of completion of the assignment is Nine months.	Given the extensive nature of the assignment, we would request for a modified timeline as suggested below. It entails changing the total project duration from 9 to 10 months. The suggested timeline below takes into account the time needed to plan for and conduct stakeholder meetings as well as technical committee meetings and comments therefrom.	As given in corrigendum
35	Page 76 5. Timelines and Deliverables	<p>Item no. 2. Submission and approval of Interim Report:</p> <p>Conducting all Field Surveys with necessary outputs in the form of shapefiles/ GIS files etc., as required, and Validation.</p> <p>Preparation of blue-green infrastructure design for a pilot project which can act as a lever to change the collective culture in sustainable climate change mitigation in CMA.</p>	<p>Based on the scope descriptions, and the stage of the project we would kindly suggest that at this stage only the identification of the three pilot projects be carried out. Hence the suggested change would be as follows:</p> <p>Conducting all Field Surveys with necessary outputs in the form of shapefiles/ GIS files etc., as required, and Validation.</p> <p>Preparation-Identification of three pilot projects for contextual and conceptual blue-green infrastructure strategies for a pilot project which can act as a lever to change the collective culture in sustainable climate change mitigation in CMA.</p>	<p>Development of contextual BGI with investment plan and implementation strategy with a detailed framework for one pilot project out of the three suggestive projects identified by the consultants can be taken up.</p> <p>Corrigendum issued</p> <p>Incorporation of field survey results identification of suitable BGI design with three options from the BGI aspects such as waterbody/ waterway centric, street landscapes and buildings. Select the best BGI design combination from the respective aspects suitable for implementation.</p>

36	Page 76 5. Timelines and Deliverables	Item no. 4. Submission and approval of Final Draft Report: Incorporation of field survey results identification of suitable BGI design with three options and selection of best option.	Kindly clarify if three design strategies as options are to be provided for each of the three pilot projects.	These three options are for the overall BGI system of the CMA region, not for the pilot projects. This deliverable is corresponding to Task 4.2.
37	18 Page 77 7. List of Key Professionals:	Hydrology Expert: Postgraduate degree in Hydrology/ Urban Water Resource Management	We would kindly request that the education requirements for the Hydrology Expert may please be edited as follows: Postgraduate degree in Hydrology/ Urban Water Resource Management/ Urban Infrastructure or equivalent	Not agreed As given in the corrigendum
38	Page 77 8. Duration and Location:	2. The above team should be supported by adequate support staff like surveyors and other non-key-experts / specialists etc., with adequate experience to ensure that the objectives of the project are achieved within the timelines. The proposed team leader shall be assigned full-time for this project and shall not be associated with any other full-time ongoing assignment with any other client.	We would like to kindly request that the requirement of full time engagement of the Team Leader be relaxed. Team leaders are subject matter experts and typically work on at least 3 projects in parallel, leading separate teams. Hence we believe that a 15 weeks requirement for a team leader would be adequate. In addition to the team leader, we suggest that the client could ask for a project coordinator having an urban planning or equivalent background with atleast 5 years experience that can function as a full time project coordinator on the project to assist the team leader.	Reply as mentioned in SI.No.19

39	<p>Page 104 Section 8. 41. Mode of Billing and Payment</p>	<p>41.2.2 The Lump-Sum Installment Payments. The Client shall pay the Consultant within sixty (60) days after the receipt by the Client of the deliverable(s) and the cover invoice for the related lump-sum installment payment. The payment can be withheld if the Client does not approve the submitted deliverable(s) as satisfactory in which case the Client shall provide comments to the Consultant within the same sixty (60) days period. The Consultant shall thereupon promptly make any necessary corrections, and thereafter the foregoing process shall be repeated.</p>	<p>Our request to you is that a repeat of the process means that the consultant has to wait for yet another 60 days for the payment process to proceed further. This has an adverse impact on project cashflows at the consultant's end. To mitigate this, we would kindly request that any subsequent process after the first 60 days be limited to 30 days. Hence we would suggest the following change in the payment terms: 41.2.2 The Lump-Sum Installment Payments. The Client shall pay the Consultant within sixty (60) days after the receipt by the Client of the deliverable(s) and the cover invoice for the related lump-sum installment payment. The payment can be withheld if the Client does not approve the submitted deliverable(s) as satisfactory in which case the Client shall provide comments to the Consultant within the same sixty (60) days period. The Consultant shall thereupon promptly make any corrections, and thereafter the foregoing process shall be repeated within a time limit of thirty (30) days.</p>	<p>No change. RFP condition holds good</p>
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40	RFP Page 33, Section 2 Introduction to Consultants – Data Sheet, Clause 21.1	Adequacy and quality of the proposed methodology, and work plan in responding to the Terms of Reference- Experience of the firm in similar projects (30 marks)	We understand that the projects of both the Lead Partner and the sub-consultants/JV partners will be considered for evaluation of experience. Please confirm if our understanding is right.	Yes, as long as the lead consultant meets at least one of the two evaluation criteria noted under 'Experience of the firm in similar projects'
41	RFP Page 105 Section 8: Conditions of Contract and Contract Forms (Lump-Sum), Clause 41 Mode of Billing and Payment	The Lump-Sum Instalment Payments: The Client shall pay the Consultant within sixty (60) days after the receipt by the Client of the deliverable(s) and the cover invoice for the related lump-sum instalment payment. The payment can be withheld if the Client does not approve the submitted deliverable(s) as satisfactory in which case the Client shall provide comments to the Consultant within the same sixty (60) days period. The Consultant shall thereupon promptly make any necessary corrections, and thereafter the foregoing process shall be repeated.	We request you to kindly reconsider the clause to the following: The Client shall pay the Consultant within thirty (30) days after the receipt by the Client of the deliverable(s) and the cover invoice for the related lump-sum instalment payment. The payment can be withheld if the Client does not approve the submitted deliverable(s) as satisfactory in which case the Client shall provide comments to the Consultant within the same thirty (30) days period. The Consultant shall thereupon promptly make any necessary corrections, and thereafter the foregoing process shall be repeated.	No change. RFP condition holds good
42	Data Sheet 17.7 and 17.9	The Proposals must be submitted no later than: Date : 26th April 2023 Time :15.00 hrs. Local Time.	Considering the complex nature of the proposed engagement and the efforts required to prepare a comprehensive proposal, we request you to please extend the submission deadline by 4 weeks.	Reply as mentioned in SI.No.4
43	Page 32 Section 17.7 and 17.9	The Proposals must be submitted no later than: Date : 26th April 2023 Time :15.00 hrs. Local Time	Request to keep the deadline 21 days from the release of pre-bid response	Reply as mentioned in SI.No.4
44	Page 33 Section 21.1 Criteria, subcriteria, and point system for the evaluation of the Full Technical Proposals	Should have completed at least two (2) assignments of similar nature exceeding Rs. 2 crores (US\$260,000) in any of the following areas in the last (7) seven years	Request to clarify if 2 crores (US\$260,000) is consultancy price or the Assignment/Project cost.	It is the contract price paid to the consulting firm towards the consultancy price.

45	Page 33 Section 21.1 Criteria, subcriteria, and point system for the evaluation of the Full Technical Proposals	A. Mapping of all the existing blue green infrastructure including tanks, temple tanks, micro drains green spaces along the roads, railway networks, public parks, traffic islands, OSR, vertical garden, terrace garden in Metropolitan Cities.	Request to consider the mapping experience of non metropolitan cities, any urban areas.	Mapping of all the existing blue green infrastructure including tanks, temple tanks, micro drains green spaces along the roads, railway networks, public parks, traffic islands, OSR in urban centers with population greater than 300,000 Corrigendum issued
46	Page 33 Section 21.1 Criteria, subcriteria, and point system for the evaluation of the Full Technical Proposals	Assessment of demographic trend, institutional capacity for Nature-based solutions to develop contextual BGI with investment plan and implementation strategy & conceptual land use plan in cities with population exceeding 400,000	Request to remove the criteria of population limit and consider cities, any urban areas	Reply as given in S.No.45
47	Page 35 Section 21.1 Key Experts' qualifications and competence for the Assignment	Language skills (emphasis on English and/or Tamil)	We understand fluency in English language shall suffice the criteria. Request to clarify.	Language of Tamil is not mandatory but preferable as the study area is in Tamil Nadu.
48	Page 71 Objective of the Study	The primary objective of this consultancy study is to capture the existing characteristics of the blue green elements in CMA	The mapping exercise shall require satellite images. This can be done using free sources such as USGS or paid satellite images procured from NRSC which shall provide better accuracy. Please clarify if the client shall bear the cost of satellite images if procured from NRSC	Reply as given in S.No.7

49	Page 71 Scope of the study	(i) Assessment of current plans and regulations for BGI adaptability and assessment of demographic trend and institutional capacity for BGI in CMA	<p>Request to consider one Institutional cum Policy Expert who will be assessing the roles and responsibilities of various stakeholders involved in metropolitan planning and infrastructure development and would recommend specific actions for better institutional coordination, institutional strengthening, monitoring and capacity building for implementing and sustaining blue-green integration interventions. The expert will also review various policies, case studies related to the study.</p> <p>Proposed educational qualifications – Masters in Urban and regional Planning/Social Science/Sustainability/Public Policy or any related discipline with minimum 15 years of experience in institutional assessment, capacity building, reforms etc.</p> <p>Proposed involvement (15 weeks)</p>	Reply as mentioned in SI.No.19
50	Page 71 Objectives and Scope of the study	The scope of work envisages the proposed study to be a consultative one where the team needs to interact not only with the institutional stakeholders but also with the people, especially the ones living in vulnerable conditions in urban slums. They have the highest exposure to the potential climate risks in CMA. Their perception and voices are crucial to be incorporated in this study and also how communityled local actions for integration of BGI, at the neighbourhood level/ward level, could make significant impact. However, there's no position of any Social Expert proposed in the ToR.	<p>Request to consider one Social cum Community Expert who will be assessing the socio-economic vulnerabilities and risks through qualitative methods and secondary data. The expert will also identify various coping strategies and recommend how community-led local actions for integration of BGI, at the neighbourhood level/ward level, could make significant impact supplementing the government-led interventions.</p> <p>Proposed educational qualifications – Masters in Sociology / Social science, Development studies or any related discipline with minimum 15 years of experience in social and poverty assessment, social safeguards, community-led interventions,</p> <p>Proposed involvement (15 weeks)</p>	Reply as mentioned in SI.No.19

51	<p>Page 71 2. Data resources and collection The CMDA will provide access to its available datasets and facilitate the consultant's access to other government-owned datasets. The consultant is expected to propose collection / procurement of datasets listed below but not limited to, during the Inception Report stage.</p>	<p>Kindly ascertain and share the data availability with CMDA or the ones CMDA can facilitate from the list mentioned in the ToR.</p>	<p>This shall help the consultants to assess its effort estimation more realistically and also for estimation of costs involved in procurement of such data if not available/facilitated by CMDA.</p>	<p>The relevant data available with CMDA for 1189 sq.km are DTM data, Satellite imagery, shape files of administrative and revenue boundaries will be shared subject to necessity. CMDA will share previous studies and reports as well as facilitating the data acquisition from PWD and other related departments /agencies. For the rest, the consultant is expected to obtain it on their own.</p>
52	<p>Page 72-73 Task 2.1-2.6 Scope of the study</p>	<p>Task 1.4: Mapping the cross sections of all water courses at crucial points with levels. 1.1.1 Component 2: Assessment of climate change impacts in Chennai Metropolitan Area (CMA) for planning of Blue Green Infrastructure.</p>	<p>a. Request to consider one Climate Change and Disaster Risk Reduction Expert who will be assessing the potential impact of multi-hazard vulnerability in CMA and would provide suitable recommendations for adaptation and mitigation. b. Proposed educational qualifications – Masters in Environmental Planning/Engineering/Climate Change/Sustainability or any related discipline with minimum 10 years of experience in projects related to climate change, disaster risk reduction. c. Proposed involvement (20 weeks)</p>	<p>a, b & c. Reply as mentioned in SI.No.19 Corrigendum issued for Enviroment expert</p>
53	<p>Page 77 List of Key Professionals:</p>	<p>Team Leader & overall coordinator</p>	<p>Request to consider one Project Coordinator for liaisoning with multiple departments and stakeholders for data collection, consultations. The TL may not have additional bandwidth for these activities beyond his/her technical delivery responsibilities and quality assurance Proposed educational qualifications for Project Coordinator – Masters in Urban Planning/Environmental planning with minimum 05 years of experience in multi-stakeholders' project management. Proficiency in Tamil would be an advantage. Proposed involvement (36 weeks)</p>	<p>Reply as mentioned in SI.No.19</p>

54	Sub-consultant / consortiums		Is it possible for a firm to be sub-consultant in two different consortiums? And is it possible for an expert profile to be part of two different consortiums?	Yes. It is possible for a firm to be a sub-consultant in two different consortiums but a sub-consultant will not be allowed to field the Team Leader
55	TOR Deliverable 2		We understand CMDA will clarify the nature of pilot projects to be expected as part of Deliverable 2. Pilot projects are not mentioned clearly within the project components, so we expect a revision in the ToR that sets the level of design detail (feasibility / pre-feasibility). We expect the submission deadline will be revised with the publication of a new ToR.	Reply as mentioned in SI.No.35
56	TOR Component 4		Will CMDA provide flood data with RCP scenarios since climate change scenarios are expected for Component 4? Is the consultant expected to create flood models that account for RCP scenarios and include that in the fee and level of effort?	No.
57	TOR		Is CMDA expecting 0.3m contour mapping for CMDA extents from the consultant as part of surveying? This is quite an expensive undertaking in terms of fees and time so the project timeline will need to be adjusted accordingly unless CMDA will provide 0.3m elevation data for GCC and CMDA areas.	No. CMDA is not expecting 0.3m contour. CMDA will provide the DTM data with 0.5m resolution and the consultant is expected to prepare the contour map based on the available data.
58	TOR Duration		Is there a possibility to reduce the requirement for the core team to spend 80% of their time in the field for non-coordination positions like landscape architect, urban engineer, and environment expert for instance?	Reply as given in S.No.14
59	TOR Key experts		Would it be possible to propose one international and one national expert to fulfill the man-hours requirements of one position? For instance, an international coastal engineer with experience in beach nourishment could provide a few man-months of critical advice while a local urban engineer fulfills the rest of the man-month requirements for the position.	Reply as given in S.No.19

60	RFP Financial Proposal		Since this is a lumpsum contract, the financial proposal should be filled out using forms FIN-3 and FIN-4. Are we also required to fill out Sample form in Page 60 and Model Form-I in Page 61 and fulfill the requirements stated?	Filling Sample form and Model form-I are not necessary
61	RFP Submission deadline		Could we request for an extension to the deadline to give the interested teams at least 3 weeks since the corrigendum with clarification questions is issued by the CMDA?	Reply as mentioned in SI.No.4
62	Section 2, Cl. 21.1-(i)-1 Page No. 33	1.Mandatory requirement – lead consultant’s annual turnover should be over Rs.5 crores for the last three financial years (evidence to be submitted).	We humbly request the Authority to please revise this clause to read as below: 1. Mandatory requirement - lead consultant’s annual turnover should be over Rs.200 crores for the last three financial years (evidence to be submitted) ending March 2022.	No change. RFP conditions holds good.
63	Section 2, Cl. 21.1-(i) Page No. 33	Should have completed at least two (2) assignments of similar nature exceeding Rs. 2 crores (US\$260,000) in any of the following areas in the last (7) seven years	Requesting the Authority to please allow minimum consultant assignment value of Rs. 20 Lakhs in a single work order. Requesting the Authority to please allow projects done in the past 15 years.	No change. RFP conditions holds good.
64	TOR – 5. Page No. 12	The time of completion of assignment is 9 months	We request the Authority to increase the project timeline to 12 months	As given in corrigendum
65	Section 8-F – Payments to the Consultant	With reference to: Payment to the Consultant	We request the Authority to kindly include the following clause: In the event, the Authority delays the payment of the fees to consultant beyond 15 days after the due date, the Authority shall be liable to pay interest @ 18% per annum on the amount due to the Consultant. At any given time, the aforesaid fee is non-refundable and non-adjustable	No change. RFP conditions holds good.
66	Section 2-C, Cl. 17.7 and 17.9 Page No. 32	The Proposals must be submitted no later than: Date: 26th April 2023 Time: 15.00 hrs. Local Time	We request the Authority to kindly extend the proposal submission date by three weeks from the response to queries in order to give appropriate time to the Consultants for documentation and submission.	Reply as mentioned in SI.No.4

67	II-F, Cl. 41.2.1 Page No.105	Advance payment: Unless otherwise indicated in the SCC, an advance payment shall be made against an advance payment bank guarantee acceptable to the Client in an amount (or amounts) and in a currency (or currencies) specified in the SCC. Such guarantee (i) is to remain effective until the advance payment has been fully set off, and (ii) is to be in the form set forth in Appendix D, or in such other form as the Client shall have approved in writing. The advance payments will be set off by the Client in equal portions against the lump-sum instalments specified in the SCC until said advance payments have been fully set off	We request the Authority to exclude this requirement or alternatively accept DD as Performance Security in lieu of the said Bank Guarantee.	No change. However, if the consultant wish to submit DD, the same shall be accepted subject to realization of the amount.
68	Section 2-C: Cl.17.2 Page No. 19	17.2 An authorized representative of the Consultant shall sign the original submission letters in the required format for both the Technical Proposal and, if applicable, the Financial Proposal and shall initial all pages of both. The authorization shall be in the form of a written power of attorney attached to the Technical Proposal	We request the Authority to kindly accept a Board Resolution in lieu of Power of Attorney	Leagally valid Board resolution of authorization is acceptable.
69	Regarding assignment value		We humbly request the Authority to kindly provide the assignment value.	In QCBS method, the consultant has to assess the assignment value.
70	Clause 3- Component 1- Task 1.1 (Page 7 of TOR)	Preparation of broad contour map for CMA in GIS	Is GIS base map available for the city? If yes, will shp (open working files) files be provided to consultants? What is the expected scale of the Map? Also kindly mention if there is any resolution specification for the landuse planning maps.	Reply as given in S.No.10
71	Clause 3- Component 1- Task 1.2 (Page 7 of TOR)	Mapping of all the existing blue green infrastructure including micro drains and small green spaces such as roadside parks, parks, traffic junctions, OSR, vertical garden, terrace garden in CMA in GIS using recent satellite images.	Kindly specify who will provide the satellite images, and what is the expected resolution to work with? Who will coordinate will the concerned agencies? Since micro planning is expected, the expected resolution of the images should be 1mX1m. Will this be possible? This may require physical survey also. We understand that the client will provide the necessary permissions for the same, specially for the private terrace gardens.	Reply as given in S.No. 7 & 8

72	Clause 3- Component 1 – Task 1.3 (Page 7 of the TOR)	The road network and storm water drain network in urban areas to be included from the database of Greater Chennai Corporation (GCC), Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB) and concerned Local Bodies. Mapping the boundaries of the water courses / water bodies and all the missing links as per Public Works Department (PWD) revenue classification and historic satellite images	We understand that the client will provide the GIS based maps from the said authorities for this task. If not so, what shall be the process?	Reply as given in S.No. 7 & 8
73	Clause 3- Component 1- Task 1.4 (Page 7 of TOR)	Mapping the cross sections of all water courses at crucial points with water levels	Can the term “crucial” points be expanded and quantified? Do “Crucial points only include points that are monitored by the central and state bodies or does it mean we can have different points whose data is currently not being captured. Points whose data are not being captured would be difficult to work with because we would not have a long-enough timeseries to model any scenario.	Reply as given in S.No.29
74	Clause 3- Component 2 – Task 2.3 (Page 8 of TOR)	Investigate the roadways, metrorail network, railway lines, bridges, culverts, causeways, surplus channels of waterways and other urban infrastructure, public works, and/or built facilities that influence the landscape of the BGI system and identify critical points and areas of risk in the study area.	There are certain infrastructure planned which would happen during our study period (example, extension of roads, expansion of metrorail network), as a part of the study do these future-scoped changes needs to be mapped (because it is difficult to source data of pipelined- projects on segments that have not been implemented yet). How does the study needs to proceed? Because without taking pipeline projects alignment in during the study will result in contradicting results in Component 4 Task 4.4 where there is a departmental level sanction on the suggested layout of Blue Green Infrastructure (BGI) What exactly “critical points” encompass, kindly elaborate	Critical point of those areas prone to flood risk. Please refer earlier flood reports from authorised sources. If the reports of JICA made available to CMDA during the process of BGI Study it will be shared to consultant.
75	Clause 3 – Component 4- Task 4.1 (Page 9 of TOR)	Based on the urban green infrastructure and waterbodies/waterways in the study area, projected population and climate risk forecasts the Consultant shall generate scenarios of BGI application and its effect on climate mitigation in CMA	When the term forecast is used does it mean RCP based forecast or land-use based forecast or population growth based forecast, kindly specify variable/s around which the scenario generation has to be implemented	Yes it means RCP based forecast
76	Component 5 (Page 10 of TOR)	Delivery of final report, summarizing all findings and recommendations out of the study. At least two stakeholder workshops need to be held to ensure that inputs from various stakeholders	We understand that the selection of stakeholders for workshops will be based on assessment and evaluation by consultant and client.	Yes.
77	RFP Section 17.7 and 17.9 (Page 32 of RFP)	26th April 2023 is the deadline	A request to shift the deadline by 2 weeks.	Reply as mentioned in SI.No.4

78	Referring to your clause 21.1 in the Datasheet of the RFP,		we would like to know if a firm with 2 years of existence can participate, as the RFP asks for 5 crores annual turnover for the last 3 accounting years	If average annual turnover of five crores even complied by considering turnover of two years distributed through three years will be accepted
79	Estimated cost of assignment		Is there a minimum budget that participants have to keep in mind while preparing the proposal? If so, may we know the number?	In QCBS method, the consultant has to assess the assignment value.
80	Page 33-34 21.1 (for FTP)	Should have completed at least two (2) assignments of similar nature exceeding Rs. 2 crores (US\$260,000) in any of the following areas in the last (7) seven years: a. Mapping of all the existing blue green infrastructure including tanks, temple tanks, micro drains green spaces along the roads, railway networks, public parks, traffic islands, OSR, vertical garden, terrace garden in Metropolitan Cities.	Please consider criteria as "Should have completed at least two (2) assignments of similar nature exceeding Rs. 2 crores (US\$260,000) in any of the following areas: a. Mapping of all the existing blue green infrastructure including tanks, temple tanks, micro drains green spaces along the roads, railway networks, public parks, traffic islands, OSR, vertical garden, terrace garden"	Reply as given in S.No. 22
81		Mandatory Requirement Should have completed at least two (2) assignments of similar nature exceeding Rs. 2 crores (US\$260,000) in any of the following areas in the last (7) seven years.....	Does it mean the aggregate value of consultancy fees of 2 assignments should be exceeding Rs 2 Crores (US\$ 260,000) or is it Rs 2 Crores per assignment?	Reply as given in S.No. 22
82	B - Consultant's Experience (under the section - FORM TECH-2(FOR FULL TECHNICAL PROPOSAL ONLY)) Page 43	The Consultant should be prepared to substantiate the claimed experience by presenting copies of relevant documents and references if so requested by the Client.	We understand that "Relevant documents and reference for substantiation include Work orders/completion certificate with project citation/project detail sheet/fee certified by auditor". Please confirm.	Yes.
83	1.1 Chennai Metropolitan Area Page 67	Recently, the Government of Tamil Nadu in the Housing and Urban Development Department in G.O.Ms. No. 184, dated 21.10.2022 accorded approval for the expansion of the CMA from 1189 sq.km. to 5.904 sq.km.	We understand the total scope area for mapping is 5,904 sq. km. Please confirm.	Reply as mentioned in SI.No.6

84	1.1 Chennai Metropolitan Area page 70	<p>Terms of Reference</p> <p>It has been mentioned that "Currently, CMDA has initiated the preparation of the Third Master Plan (TMP) for 2026-2046 under World Bank-assisted Tamil Nadu Housing and Habitat Development Project (TNHHDP) for an extent of 1189 sq.km. Recently, the Government of Tamil Nadu in the Housing and Urban Development Department in G.O.Ms. No. 184, dated 21.10.2022 accorded approval for the expansion of the CMA from 1189 sq.km. to 5904 sq.km. annexing 1225 more villages spread in parts of Thiruvallur, Kancheepuram, Chengalpattu Districts and part of Arakonam Taluk in Ranipet District</p>	<p>1. Considering the recent order for expansion of the CMA, is there any plan to increase the scope of the Third Master Plan 2026-2046 to 5904 sqkm from 1189 sqkm?</p> <p>2. Otherwise, is there any Draft Master Plan / development plan / zoning plan / any relevant existing landuse map available for additional 1225 villages of CMA area?</p> <p>3. Any estimates and plans available on future projections for land for housing & urban activities, and for water supply in the study area?</p> <p>4. Is a list and/or map of all relevant local bodies in the study area and officially designated water bodies, wetlands, parks and green areas etc. within their jurisdictions available?</p> <p>5. Is there any relevant study related to flooding and hydrological aspects of basins/ water bodies available</p>	<p>1. The study area of the assignment is 1189 sq.km.</p> <p>2. No</p> <p>3. No</p> <p>4. No.</p> <p>5. The available study reports with CMDA will be shared for reference.</p>
85	Component 1: Mapping of all Blue Green elements in the study area. Page 72	Task 1.1: Preparation of broad contour map for CMA in GIS	<p>We assume that the high resolution satellite datasets of 30 cms to be provided by CMDA. Please confirm.</p> <p>What is the contour interval expected to be generated?</p>	Reply as given in Sl. No. 51
86	Component 1: Mapping of all Blue Green elements in the study area. Page 72	Task 1.2: Mapping of all the existing blue green infrastructure including micro drains	Micro drains are usually not visible in the satellite datasets. Are ground based surveys required to be carried out with Total Station or DGPS? Or the SLD's or other maps as available from secondary sources from line departments need to be georeferenced by the consultant? Please clarify.	The consultant is expected to map the blue-green elements through available sources from line departments
87	Component 1: Mapping of all Blue Green elements in the study area. Page 72	Task 1.2: Mapping of all the existing blue green infrastructure including micro drains and small green spaces such as road side parks, parks, traffic junctions, OSR, vertical garden, terrace garden in CMA in GIS using recent satellite images.	Satellite data resolution at 30 or 50cms Request and suggest CMDA to buy the satellite datasets and provide to successful bidder. Also is there any standard datamodel that needs to be followed for generation of the GIS layers?	As given in Sl. No. 51

88	Component 1: Mapping of all Blue Green elements in the study area. Page 72		<p>1. Are there Base Map(s) in digital format available from CMDA for the study area with boundaries of local bodies?</p> <p>2. Are there guidelines/ desired parameters for Field Survey?</p> <p>3. Will the CMDA provide base Map Co-ordinates?</p> <p>4. Is the survey required DGPS survey of Green and Blue Assets across CMA?</p> <p>5. Does the survey benchmark point require to be derived from existing Survey of India CORS (Continuous Operating Reference Station) Network?</p>	<p>1. The digital format of CMA administrative units are available.</p> <p>2. No</p> <p>3. No</p> <p>4. Consultant has to do necessary survey required for the study.</p> <p>Yes.</p>
89	4. Data resources and collection - Page 77	The CMDA will provide access to its available datasets and facilitate the consultant's access to other government-owned datasets.	Pl furnish detail list of available, relevant government-owned datasets	No, however reply as given in sl.no. 51
90	5. Timelines and Deliverables: Page 76-77	The hard copies shall be printed in duplex mode wherever possible	What is the print scale at which the maps needs to be generated?	Apart from soft copy the consultant is expected to furnish the hard copies in suitable scale.
91	Section 7 Page 76-79	<p>5. Timelines and Deliverables</p> <p>The comments or views suggested by the technical committee on the various deliverables should be shared to the consultant within 15 business days of submission for incorporation/further action</p>	<p>Considering the huge study area and scope, it is requested that overall timeline be increased to 52 weeks with Draft Final Report finalisation in 36 weeks</p> <p>We request that for each deliverable all comments and suggestions by the review committee and other stakeholders be shared in one lot so that they can be comprehensively addressed by us in one go. This will help in ease of approval and moving forward to the next milestone</p>	<p>No change.</p> <p>RFP conditions holds good.</p>
92	Section 7 - List of Key Professionals Page 80	Environment Expert Postgraduate degree in Civil Engineering / Environmental Engineering/ Environmental Sciences/Ecology/ Forestry/Agriculture/Horticulture	<p>It is requested that Environmental planning be also included.</p> <p>"Environment Expert Postgraduate degree in Civil Engineering / Environmental Planning/ Environmental Engineering/ Environmental Sciences/Ecology/ Forestry/Agriculture/Horticulture"</p>	Corrigendum issued
93		Tender Fee and Bid Security/EMD	Hope there is no tender fee and the consultant only needs to submit EMD/bid security .	Yes, there is No need to submit tender fee/EMD and Bid security

94	5. Timelines and Deliverables: Page 76	Submission and approval of Final Report	We request that this milestone payment be split it into 2 parts: (i) 25% on submission & presentation of Final Report and (ii) 5 % on Final Approval	No split up in payment for single deliverable
95	ITC 21.1 (Page-34)	Proposed Methodology and work plan.....[30] 2. Approach and Methodology.... 3. Methodology...	The term "Methodology" is repeated under item- 2 and item- 3. The term "Methodology" may be removed from item- 3.	Agreed. corrigendum issued
96	7. List of Key Professionals (Page-77)	Education Qualification for Hydrology Expert: Postgraduate degree in Hydrology/ Urban Water Resource Management	Hydrology is an integral part of the Water Resources Management or Engineering. There is limited / no degree exclusively on Urban Water Resource Management in India. Moreover, the Study Area of the CMA is a mix of urban / semi-urban/rural landscape. Hence, the education qualification for Hydrology Expert may be made unrestrictive as, "Post graduate degree in Hydrology or Water Resources". The expected specialty in Urban Hydrology could be incorporated in the experience qualification.	Agreed Corrigendum issued
97	7. List of Key Professionals (Page-77)	Experience Requirement of Hydrology Expert • Minimum 10 years of relevant experience in working with national and local governments in developing countries. • Experience in facilitating similar exercises • Demonstrated experience in urban planning with a focus on water resource management, water supply and drainage and flood management.	Hydrology Experts seldom participate in Urban Planning; they just work on the hydrology of urban area. Similarly, they need not be involved in water supply projects and flood management together. Hence, the experience requirement may be considered as below. (a) Minimum 10 years of relevant experience in working with similar national and local governments in developing countries. (b) Minimum four years experience in working with the hydrology of urban areas of not less than 426 sq.km.	No change RFP conditions prevails.

98	7. List of Key Professionals (Page-78)	<p>(ii) Key Experts' qualifications and competence for the Assignment [40]</p> <p>GIS Specialist</p>	<p>The scope includes both GIS and Remote Sensing. Greater thrust is on Remote Sensing like mapping the greeneries, drains, OSR etc.. Professional grade Satellite Image processing is vital for the level of micro details to be generated under the scope of work. Hence, the "GIS Specialist" may be renamed as "GIS/RS Specialist" and the experience qualification may also emphasise more on Remote Sensing as below.</p> <p>(a) Minimum 10 years of relevant experience (15 years for Post Graduate Diploma candidates) in working on similar projects with national and local governments in developing countries.</p> <p>(b) Minimum 5 years experience (10 years for Post Graduate Diploma candidates) in development of Digital Terrain Model (DTM), features extraction from satellite imageries, spatial planning, mapping natural resource management, GIS and Remote Sensing based assessments, and overlay analysis, preferably in assignments of similar scope and geography</p>	<p>No change</p> <p>RFP conditions prevails.</p>
99	Section-7: ToR 3. Scope of the study (Page-71)	<p>The study has five components viz.,</p> <p>(i) Mapping of all blue green elements in the study area</p>	<p>The CMA area is since increased from 1189 to 5904 sq km.</p> <p>Please confirm whether the Study Area under the consultancy is 1189 sq.km or 5904 sq.km. It has a large impact on the cost of satellite imageries, survey and the studies in general. Hence the request.</p>	<p>Reply as given in S.No.6</p>
100	Section 7; 3. Scope of the study Task 1.1: (Page - 72)	<p>Preparation of broad contour map for CMA in GIS</p>	<p>The contour is a sensitive and vital information for planning purposes, especially for water studies. Instead of contours, a Digital Terrain Model (DTM) with $\pm 0.30m$ vertical accuracy may be specified as it will serve the purpose better.</p>	<p>Reply as given in Sl.No 51</p>
101	Section 7; 3. Scope of the study Task 1.2: (Page - 72)	<p>Mapping of all the existing blue green infrastructure including micro drains and small green spaces such as road side parks, parks, traffic junctions, OSR, vertical garden, terrace garden in CMA in GIS using recent satellite images.</p>	<p>Since micro drains also need to be mapped, the resolution of the satellite imageries is important parameter. Hence, the minimum pixel size (say $\pm 0.3m$) of the satellite imageries and horizontal accuracy of the GIS Datasets (say $\pm 0.3m$) may also be specified.</p>	<p>Reply as given in Sl.No 51</p>

102	Section 7; 3. Scope of the study Task 1.4: (Page - 72)	Mapping the cross sections of all water courses at crucial points with levels.	Mapping the cross sections of water courses is an important part of the cost estimation and evaluation of bids. Please specify reference lengths of waterways, alongwith range of widths under (a)-bathymetry survey under water and (b)-topography survey in dry land. It facilitates consistent estimation by all the bidders. Variations could be reimbursed as per actuals.	Bathymetry surveys are not required since DPRs are not prepared.
103	Section 7; 3. Scope of the study Task 2.2: (Page - 72)	Conduct a preliminary assessment of the historic trend of climate risks and the climate change impacts on the urban environment in the study area, including the weather data, extreme climatic events, climate hazards, as well as vulnerability and risk assessment of the study area, with special focus on spatial planning for flood, coastal erosion, water scarcity/droughts, and heat waves.	(a) Please confirm whether the "vulnerability and risk assessment of the study area" relates to floods / droughts only and not other agencies like fire, earthquake etc. (b) If flood / drought only, please specify, whether the streetwise household risks of life and property are not expected in the study. (c) If expected, please confirm whether the GIS datasets of streetwise population and property will be provided by CMDA	a) Yes, the vulnerability and risk assessment of the study area relates to climate change. b) the vulnerability and risk assessment pertaining to BGI alone is needed to be assessed. c) Does not arise.
104	Component 5: Delivery of final report, summarizing all findings and recommendations out of the study. 4. Data Resources and collection (Page-75)	Topography (SRTM - 30m) from Survey of India and other records	Topography (SRTM-30m) and SoI are two different sources. SRTM-30m is freely available in public domain whereas SoI maps are to be purchased.	Reply as given in SI.No.51.

105	5. Timelines and Deliverables: 3. Submission and approval of Interim Report (Page-76)	Preparation of blue-green infrastructure design for a pilot project which can act as a lever to change the collective culture in sustainable climate change mitigation in CMA.	Please explain the referred " Pilot Project for BGI design". Is it the complete CMA Area or any part of it selected by the Bidder or specified by CMDA?.	Reply as given in SI.No.35
106	5. Timelines and Deliverables: 4. Submission and approval of Interim Report (Page-76)	Incorporation of field survey results identification of suitable BGI design with three options and selection of best option.	Please confirm, whether minimum three BGI Design solutions should be identified, analysed and the best one should be recommended	Reply as given in SI.No.35
107	21.1 (ii) Key Experts' qualifications and competence for the Assignment [40] (Page-35)	a. Age, education qualifications, professional qualifications, and employment record: 20 percent	The "Age" is very vague and seems to be not relevant to the consultancy. Similarly, the employment record is also exclusively covered under item (b). The minimum educational qualification is already specified under 7- List of Key Professional (Page-77). Hence this section could be considered for a change as below. <ul style="list-style-type: none"> •100 % of minimum qualification required = 15 % •Additional relevant technological / managerial qualifications = 20% 	No change RFP condition holds good.
108		b. Relevant work experience (role played in similar assignments, experience of working with government entities, international/ national experience): 70 percent	The minimum years of experience is defined in clause 7- List of Key Personnel (Page-77). The relevant work experience may be graded into certain slabs as below, <ul style="list-style-type: none"> •100 % of minimum experience required = 50 % •125 % of minimum experience required = 60 % •150 % of minimum experience required and above = 70% The role played in similar assignments and International / national experience may be removed as they have already been covered in the experience slabs above. If found essential, their weightage may also be quantified and specified.	No change RFP condition holds good.

109	7. List of Key Professionals: Landscape Architect/ Urban Designer (Page - 78)	<ul style="list-style-type: none"> • Minimum 5 years of relevant experience in working with national and local governments in developing countries. <p>The services shall be delivered in Chennai, Tamil Nadu. The team is expected to stay in Chennai for at least 60% of the time.</p>	<p>Request to be specific as "Minimum 5 years of relevant experience in working on projects with national and local governments in developing countries".</p> <p>The trades like GIS/ RS are location independent. Hence the clause may be rephrased as "60% of the Key Experts' manmonths as a whole must be spent in Chennai".</p>	Reply as given in S.No.12
110	8. Duration and Location (Page-79)	The services shall be delivered in Chennai, Tamil Nadu. The team is expected to stay in Chennai for at least 60% of the time.	The trades like GIS/ RS are location independent. Hence the clause may be rephrased as "60% of the Key Experts' manmonths as a whole must be spent in Chennai".	Reply as given in SI.No.12
111	General	Submission deadline	Request to kindly consider and provide at least 15 days time for bid submission from the date of issue of clarifications.	Reply as given in SI.No.4

Sd/-
Member Secretary,
CMDA