



MEGHALAYA BASIN MANAGEMENT AGENCY (MBMA)

Regd. Address: House No. L/ A-56 Lower Nongrim Hills,
 Shillong, East Khasi Hills, Meghalaya- 793003
 (CIN No. U75144ML2012NPL008509)
 Phone: +91-364- 2522921/2522992
 Website: www.mbda.gov.in, E-mail: admin.mbda@gov.in

MBMA/CLLMP/47/2020-21/CS-16/198

Dated Shillong, the 17th November, 2021

Addendum no – 1

“Terms of Reference (ToR) for Conducting Research & Studies on Climate Change & Natural Resource Management

Project: Meghalaya Community-Led Landscape Management Project (MCLLMP), Government of Meghalaya, (funded by the World Bank)

Ref. No: CS-16

EOI Issued on: 21st October, 2021

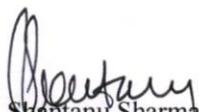
Sl. No	Clause No/Ref No	Original clause	Amended clause
1.	ToR Sl. No. 1.3 Para 2 (Page 3)	Meghalaya has generated a range of database and knowledge related to climate change and vulnerability specific to the state through various scientific studies collaborated with IIT Gandhinagar, IISC Bangalore, IIT Guwahati and IIT Mandi, CII, Godrej, Hyderabad.	MBMA has agreed to share the link of the studies and the clause may be read as- Meghalaya has generated a range of database and knowledge related to climate change and vulnerability specific to the state through various scientific studies collaborated with IIT Gandhinagar, IISC Bangalore, IIT Guwahati and IIT Mandi, CII, Godrej, Hyderabad. Detailed reports of the study can be accessed at meghalayacc.org
2.	ToR Sl. No. 2 (Page 2)	<ul style="list-style-type: none"> Study of impact of climate change in different time horizons on water resources of Meghalaya with a special reference to the consequences on livelihood Study of impact of climate change in different time horizons on agriculture including horticulture in Meghalaya 	MBMA has agreed to modify the clause and it may be read as- <ul style="list-style-type: none"> Study of impact of climate change in three different time horizons (say 2021 to 2050, 2051 to 2070 and 2071 to 2100) on water resources of Meghalaya with a special reference to the consequences on livelihood Study of impact of climate change in three different time horizons (say 2021 to 2050, 2051 to 2070 and 2071 to 2100) on agriculture including horticulture in Meghalaya
3.	ToR Sl. No. 3 (Page 4)	The study is also expected to build synergy with MCLLMP through specific activities, both technical and policy responses particularly in the CNRM	MBMA has agreed to modify the clause and it may be read as- The study is also expected to build synergy with MCLLMP through specific activities, both technical and policy responses particularly in the

		Plans/Community Landscape Plans.	CNRM Plans/Community Landscape Plans. The study is to be carried out for the whole State and the result is to be given at the district and block levels
4.	ToR Sl. No. 5 (Page 4)	Proposed Studies	Deliverables
		Study of impact of climate change in different time horizons on agriculture including horticulture in Meghalaya	Point no 1-8
			Proposed Studies Study of impact of climate change in different time horizons on agriculture including horticulture in Meghalaya Deliverables MBMA has agreed to add another deliverable to the study that could be read as - Deliverable No. 9. Produce a climate change vulnerability map with respect to agriculture in the State
5.	ToR Sl. No. 5 (Page 5)	Proposed Studies	Deliverables
		Study of impact of climate change in different time horizons on water resources of Meghalaya with a special reference to the consequences on livelihood	Point no 1-5
			Proposed Studies Study of impact of climate change in different time horizons on water resources of Meghalaya with a special reference to the consequences on livelihood Deliverables MBMA has agreed to remove Deliverable No. 2 Status of water quality under different climate change scenarios and add another deliverable to the study that could be read as- Deliverable No. 5. Produce a climate change vulnerability map with respect to water resources in the State
6.	ToR Sl. No. 9 Bullet 6 (Page 6)	The MCLLMP will provide any GIS and related support needed from state's relevant agencies.	MBMA has agreed to modify the original clause and the amended clause can be read as- <ul style="list-style-type: none"> The MCLLMP will provide only those GIS layers which are already available with MBDA/MBMA to the successful bidder if the same is requested for.

7.	ToR Sl. No. 13 (Page 7)	<p>Report/Deliverables</p> <ul style="list-style-type: none"> • Two Major deliverables: <ul style="list-style-type: none"> ○ Study Report on “Impact of climate change on water resources of Meghalaya with a special reference to the consequences on livelihood”; and ○ Study Report on “Impact of climate change in different time horizons on agriculture including horticulture in Meghalaya” 	<p>MBMA has agreed to add one more Deliverable which can be read as;</p> <ul style="list-style-type: none"> • Two Major deliverables: <ul style="list-style-type: none"> ○ Study Report on “Impact of climate change on water resources of Meghalaya with a special reference to the consequences on livelihood”; and ○ Study Report on “Impact of climate change in different time horizons on agriculture including horticulture in Meghalaya” • The draft final report should be submitted latest by the end of the 8th month from the date of award of the study, after which the final report should be submitted latest by the end of the 9th month after making suitable modifications taken into considerations the comments made on the draft final report by the MBMA Officials. <p>Total no. of deliverables will now be 8.</p>
8.	ToR Annexure I (Page 9)	<p>To provide support to the project M-CLLMP, MBMA proposes to hire Organisations/Firms/Institutions to undertake two research studies as outlined below:</p> <ul style="list-style-type: none"> • Study of impact of climate change in different time horizons on water resources of Meghalaya with a special reference to the consequences on livelihood • Study of impact of climate change in different time horizons on agriculture including horticulture in Meghalaya 	<p>To provide support to the project M-CLLMP, MBMA proposes to hire Organisations/Firms/Institutions to undertake two research studies as outlined below:</p> <ul style="list-style-type: none"> • Study of impact of climate change in three different time horizons (say 2021 to 2050, 2051 to 2070 and 2071 to 2100) on water resources of Meghalaya with a special reference to the consequences on livelihood • Study of impact of climate change in three different time horizons (say 2021 to 2050, 2051 to 2070 and 2071 to 2100) on agriculture including horticulture in Meghalaya
9.	ToR Annexure I (Page 10)	<p>Expected Output 1 (OI):Agriculture</p> <p>Point no 1-8</p>	<p>Expected Output No. 9. Produce a climate change vulnerability map with respect to agriculture in the State</p>

10.	ToR Annexure I (Page 10)	Expected Output 2 (O2): Water Point no 1-5	<p>MBMA has agreed to remove Expected Output No. 2 Status of water quality under different climate change scenarios & add another deliverable which can be read as Expected Output No. 5. Produce a climate change vulnerability map with respect to water resource in the State</p>									
11.	EoI Sl. No. 2	<ul style="list-style-type: none"> • Impact of climate change in different time horizons on water resources of Meghalaya with a special reference to the consequences on livelihood • Impact of climate change in different time horizons on agriculture including horticulture in Meghalaya 	<p>MBMA has agreed to modify the clause and it may be read as-</p> <ul style="list-style-type: none"> • Impact of climate change in three different time horizons (say 2021 to 2050, 2051 to 2070 and 2071 to 2100) on water resources of Meghalaya with a special reference to the consequences on livelihood • Impact of climate change in three different time horizons (say 2021 to 2050, 2051 to 2070 and 2071 to 2100) on agriculture including horticulture in Meghalaya 									
12.	EoI Sl. No. 6	The Firms/ Organisations/ Institutions are required to participate in a pre-bid meeting.	<p>6. Format for submitting the Financial bid should be as follows</p> <table border="1" data-bbox="842 1055 1442 1597"> <thead> <tr> <th data-bbox="842 1055 943 1211">Sl. No.</th> <th data-bbox="943 1055 1278 1211">Study</th> <th data-bbox="1278 1055 1442 1211">All inclusive cost (in '000 INR)*</th> </tr> </thead> <tbody> <tr> <td data-bbox="842 1211 943 1373">1.</td> <td data-bbox="943 1211 1278 1373">Study of impact of climate change in different time horizons on agriculture including horticulture in Meghalaya</td> <td data-bbox="1278 1211 1442 1373"></td> </tr> <tr> <td data-bbox="842 1373 943 1597">2.</td> <td data-bbox="943 1373 1278 1597">Study of impact of climate change in different time horizons on water resources of Meghalaya with a special reference to the consequences on livelihood</td> <td data-bbox="1278 1373 1442 1597"></td> </tr> </tbody> </table> <p>*Firms/Organisations/Institutions can bid for any one or both the studies</p>	Sl. No.	Study	All inclusive cost (in '000 INR)*	1.	Study of impact of climate change in different time horizons on agriculture including horticulture in Meghalaya		2.	Study of impact of climate change in different time horizons on water resources of Meghalaya with a special reference to the consequences on livelihood	
Sl. No.	Study	All inclusive cost (in '000 INR)*										
1.	Study of impact of climate change in different time horizons on agriculture including horticulture in Meghalaya											
2.	Study of impact of climate change in different time horizons on water resources of Meghalaya with a special reference to the consequences on livelihood											
13.	EoI Sl. No. 6	6. The Firms/ Organisations/ Institutions are required to participate in a pre-bid meeting	7. The Firms/ Organisations/ Institutions are required to participate in a pre-bid meeting									

14.	EoI Sl. No. 9	9. <i>In case a Sub-Consultancy is proposed; Lead firm must submit a consent from the proposed Sub – Consultant to act as Lead. For shortlisting purposes, credentials of only Lead Consultant will be taken into account.</i>	10. <i>In case a Sub-Consultancy is proposed; Lead firm must submit a consent from the proposed Sub – Consultant to act as Lead. For shortlisting purposes, credentials of only Lead Consultant will be taken into account.</i>												
15.	EoI Sl. No. 11 & 12	<p>MBMA has agreed to add two new clauses as Sl. No. 11 & Sl. No. 12 and it may be read as-</p> <p>11. The bid should be submitted in two separate sealed envelopes; one, the Technical proposal and the other for financial proposal. Both the envelopes should be kept in one single envelope and sealed.</p> <p>12. Basis for the Technical evaluation</p> <table border="1" data-bbox="427 801 1453 996"> <thead> <tr> <th>Sl. No.</th> <th>Criteria</th> <th>Maximum marks</th> </tr> </thead> <tbody> <tr> <td></td> <td>Qualification of the experts</td> <td>30</td> </tr> <tr> <td></td> <td>Experience of the Firms/Organisations/Institutions</td> <td>30</td> </tr> <tr> <td></td> <td>Presentation</td> <td>40</td> </tr> </tbody> </table>		Sl. No.	Criteria	Maximum marks		Qualification of the experts	30		Experience of the Firms/Organisations/Institutions	30		Presentation	40
Sl. No.	Criteria	Maximum marks													
	Qualification of the experts	30													
	Experience of the Firms/Organisations/Institutions	30													
	Presentation	40													
16.	EoI Sl. No 13	<p>MBMA has agreed to add new clauses as Sl. No. 13 and it may be read as-</p> <p>13. Seventy percent marks is the qualification threshold for the Firms/ Organisations/ Institutions to technically qualify and only their financial bids would be considered.</p>													
17.	EoI Sl. No. 11	11. Expression of Interest must be delivered in hard copy to the address below through registered post/speed post/ courier/ by hand on or before November 22, 2021 by 1700 Hrs.; a soft copy of the submission may also be submitted at <u>mbdaprocurement@gmail.com</u>	14. Expression of Interest must be delivered in hard copy to the address below through registered post/speed post/ courier/ by hand on or before November 30, 2021 by 1700 Hrs.; Technical and Financial Proposal may also be submitted in a soft copy by email to <u>mbdaprocurement@gmail.com</u>												


 Shri. Shantanu Sharma, IAS
 Additional Project Director, CLLMP
 Meghalaya Basin Management Agency