

Addendum no. 4:

“Hiring of an agency for capacity building and developing land use and land cover maps for 400 villages to support the implementation of the Meghalaya Community Led Landscapes Management Project (MCLLMP) under MBMA”

Sl. No.	Clause Ref.	Original clause	Amended clause
1	Section 2. Instructions to Consultants E. Data Sheet; C- Submission, Opening and Evaluation, Point No 17.7 and 17.9	<p>The Proposals must be submitted no later than: Date: March 16, 2020 Time: 1500 Hrs. (Indian Standard Time) The Proposal submission address is:</p> <p>Meghalaya Basin Management Agency C/o Meghalaya State Housing Financing Co-operative Society Ltd. Nongrim Hills, Shillong-793003, Meghalaya, India Tel. no. 0364-2522921/2522992 Email ID: mbdaprocurement@gmail.com</p>	<p>The Proposals must be submitted no later than: Date: : May 30, 2020 Time: 1500 Hrs. (Indian Standard Time) The Proposal submission address is:</p> <p>Meghalaya Basin Management Agency C/o Meghalaya State Housing Financing Co-operative Society Ltd. Nongrim Hills, Shillong-793003, Meghalaya, India Tel. no. 0364-2522921/2522992 Email ID: mbdaprocurement@gmail.com</p>
2	Section 2. Instructions to Consultants E. Data Sheet; C- Submission, Opening and Evaluation, Point No 19.1	<p>An online option of the opening of the Technical Proposals is offered: No The opening shall take place at: “same as the Proposal submission Address Date: same as the submission deadline indicated in 17.7. Time: 1530 Hrs. (Indian Standard Time)</p>	<p>An online option of the opening of the Technical Proposals is offered: No The opening shall take place at: “same as the Proposal submission Address Date: same as the submission deadline indicated in 17.7 on the amended clause. (May 30, 2020) Time: 1530 Hrs. (Indian Standard Time)</p>
3	Section 7. Terms of Reference Part D regarding expected outcome Point No. 2	Preparation of temporal LULC and soil maps of identified 400 villages (including updating the maps of 115 villages for which LULC maps have already been prepared) using standard and appropriate classification methods (Level II classification) using medium to high resolution satellite imageries (10-meter resolution or better). The GIS team of MCLLMP will be provided on the job training by involving them in the preparation of the LULC, soil maps, etc.	Preparation of Temporal LULC Maps of 400 villages of 2 base years Nov-Dec 2012 to Jan-Feb 2013 and Nov-Dec 2017 to Jan-Feb 2018 (400+400=800) of identified 400 villages using standard and appropriate classification methods (Level III classification) using high resolution satellite imageries (Liss IV merged with Carto Sat 2 or better which will be provided by the client). The GIS team will be provided training remotely (mandatory) /physical (if possible) by involving them in the preparation of the temporal LULC etc.
4	Section 7. Terms of Reference Part D regarding expected outcome Point No. 10.	Generating DEMs, slope maps and micro catchment areas/spring maps.	Generating NDVI maps, slope maps, Agro-Climatic maps (temperature, rainfall & altitude/elevation), contour maps, drainage maps and micro catchment areas/spring maps only. Generating DEMs is not required any longer.
5	Section 7. Terms of Reference: Objective; Point No 1	To develop a robust methodology for preparation of GIS Maps and to prepare GIS maps for 400 identified villages under the project at suitable scale, including updating the already prepared maps of 115 villages	To develop a robust methodology for preparation of GIS Maps and to prepare GIS maps for 400 identified villages under the project at suitable scale. Updating of maps is no longer required by the project.

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6	Section 7. Terms of Reference;; Scope of Work; Part A; Point No. 1	LULC and soil maps/ other relevant maps such as NDVI etc of 400 villages (including updating the maps of 115 villages for which LULC maps have already been prepared) using appropriate classification methods and classes, and ground truthing of LULC results, along with estimation of carbon stock of the identified project villages.	Temporal LULC Maps of 400 villages of 2 base years Nov-Dec 2012 to Jan-Feb 2013 and Nov-Dec 2017 to Jan-Feb 2018 (400+400=800) and other relevant maps such as NDVI, slope maps, contour maps, drainage maps and micro catchment areas/spring maps etc of 400 villages using appropriate classification methods and classes, along with estimation of carbon stock of the identified project villages
7	Section 7. Terms of Reference; Background, Project Description & Assignment Objectives; Point No 3	GIS Land Use Land Cover (LULC), Normalized Differential Vegetation Index (NDVI) and other related maps are a crucial component of the Project to enable communities to visualize their village and plan out interventions appropriately. Therefore, there is an urgent need to prepare the baseline maps for 400 villages and build the capacities of the GIS Staff and other stakeholders of the Project. There is also a need to develop a web GIS tool to enable analysis and monitor changes in LULC	GIS Temporal Land Use Land Cover (LULC), Normalized Differential Vegetation Index (NDVI), Slope, Agro-Climatic maps, Delineation of Catchment area for Springs/Spring-shed, Drainage Maps of the Villages for Village Level, Contour Maps of the Villages and other related maps are a crucial component of the Project to enable communities to visualize their village and plan out interventions appropriately. Therefore, there is an urgent need to prepare the baseline maps for 400 villages and build the capacities of the GIS Staff and other stakeholders of the Project.
8	Section 7. Terms of Reference; Part D; The Expected Outcome of the contract	The expected outcome of this contract would be, but not limited to, the following activities:	The expected outcome of this contract would be, but not limited to, the following activities: in addition to the 11 points mentioned under Part D; following are added: 1. Preparing Agro-Climatic (temperature, rainfall & altitude/elevation) maps for the Blocks and Project villages.
9	Section 7. Terms of Reference; III. Deliverables & Timelines – 1, PART A – within 2 months of award of contract	Preparation of GIS maps of 400 villages using appropriate classification methods and classes, and ground truthing of LULC, soil results; Along with estimation of carbon stock of the villages.	Preparation of all GIS maps mentioned for 400 villages using appropriate classification methods and classes (Level III Classification) along with estimation of carbon stock of the villages
10	Section 7. Terms of Reference; Part A, Point No 4	Develop high resolution imageries for references and documentation on ground truthing of 10% of villages	No longer needed
11	Section 7. Terms of Reference; 1, Point No 3	There is also a need to develop a web GIS tool to enable analysis and monitor changes in LULC	No longer needed

Sl. No.	Clause Ref.	Original clause				Amended clause					
12	Section 7. Terms of Reference: Deliverables Timelines III: &	Sl. No.	Activity	Deliverable / Outcome of Activity	Expected Timeline for Deliverables	% Payment of the contract amount	Sl. No.	Activity	Deliverable / Outcome of Activity	Expected Timeline for Deliverables	% Payment of the contract amount
		PART A – within 2 months of award of contract					PART A – within 2 months of award of contract				
			Submission of Inception Report and its acceptance by SPMU	Final Inception Report	0.5 months from date of award of contract	10%		Submission of Inception Report and its acceptance by SPMU	Final Inception Report	0.5 months from date of award of contract	10%
			Preparation of all GIS maps mentioned for 400 villages (except LULC maps of 257 villages which is already done by the GIS Lab, MBDA) using appropriate classification methods and classes, and ground truthing of LULC, soil results; Along with estimation of carbon stock of the villages.	Final GIS maps available at SPMU/DPMU	2 months from date of award of contract	20%		Preparation of all GIS maps mentioned for 400 villages using appropriate classification methods and classes (Level III Classification) along with estimation of carbon stock of the villages	Final GIS maps available at SPMU/DPMU	2 months from date of award of contract	20%
		PART B – within 4 months of award of contract					PART B – within 4 months of award of contract				
			Integration of GIS maps and other spatial datasets into web GIS platform, along with developing interface / APIs for integration of GIS maps into the MIS	Web GIS platform developed with integrated maps	4 months from date of award of contract			Generating NDVI maps, slope maps, Agro-Climatic maps (temperature, rainfall & altitude/elevation), contour maps, drainage maps and micro catchment areas/spring maps only	Generation of all maps as mentioned	Within 120 days from date of award of contract	20%
		PART C – within 4 months of award of contract									

Sl. No.	Clause Ref.	Original clause				Amended clause					
			Generate DEM and maps for delineation of micro catchment areas/Spring sheds	Micro catchment areas/Spring shed maps available	Within 120 days from date of award of contract	20%	PART C – from 4 to 12 months to award of contract				
		PART D – from 4 to 12 months to award of contract						Development of technical training manual and training material	Technical and training manual and materials developed	within 5 months from the date of award of contract	10%
			Development of technical training manual and training material	Technical and training manual and materials developed	within 5 months from the date of award of contract	10%		Organizing Training and Workshops on a quarterly basis (Virtually/physically)	On the job training during the development phase (virtually/physically) (120 days) followed by capacity building exercises organize every 3 months for stakeholders	Total of 3 trainings after 120 days	30%
			Organizing Training and Workshops on a quarterly basis	On the job training during the development phase (120 days) followed by capacity building exercises organize every 3 months for stakeholders	Total of 3 trainings after 120 days	30%		Provision of technical support to SPMU	Technical support provided for the entire development phase followed by the support for the remaining 8 months.	After 120 days of commencement of the Project, i.e. 8 months	
			Provision of technical support to SPMU	Technical support provided for the entire development phase followed by the support for the remaining 8 months.	After 120 days of commencement of the Project, i.e. 8 months			Submission of final report of the assignment	Draft report submitted	Within 12 months from date of award of contract	10%
			Submission of final report of the assignment	Draft report submitted	Within 12 months from date of award of contract	10%					

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	Section 7. Terms of Reference: VI	Client's Input and Counterpart Personnel including Data and Facilities to be provided by the Client	<p>Considering the present situation, following point has been added:</p> <p>7. In normal circumstances, consultant firm will be required to work from both onsite as well as offsite; any changes in the working environment like present pandemic situation (if the situation arises in future); consultant may be asked to work remotely or as mutually decided between the parties.</p>

Note: Kindly note that there will be no further extension on the submission date.

Sd/-

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