



MEGHALAYA BASIN MANAGEMENT AGENCY (MBMA)

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Dated - 12th December, 2024

Addendum and Corrigendum

“RFP for Procurement of Supply, Installation, Commissioning and testing of tools, machinery and equipment under Meghalaya State Bamboo Mission, MBMA”

Date of issue of Request for Proposal: 3rd December 2024

Addendum #1

Sl. No	Original Clause	Amended Clause
1	Last date & time of submission of RFP by 11 th December 2024, 16:00 PM IST	Last date & time of submission of RFP by 17 th Decemebern2024, 16:00 PM IST
2	Date & Time of Opening of RFP by 11 th December 2024, 16:30 PM IST	Date & Time of Opening of RFP by 17 th December 2024, 16:30 PM IST

Meghalaya Basin Management Agency, Procurement Unit MBMA C/o Meghalaya State Housing Financing Co-operative Society Ltd., Upper Nongrim Hills, Shillong, Meghalaya-793003 Email ID: msbamboomissionagency@gmail.com

Corrigendum #1

Please find below the updated machinery details, including specifications and quantities, that should be taken into account while preparing your proposal.

Lot#2

Specifications for “Procurement of Supply, Installation, Commissioning and Testing of tools, machinery, and equipment under State Bamboo Mission, MBMA”				
Sl. No	Item	Qty	Item Decription	Specifications
1	Metre saw (GCM10) with	1	Type:	Sliding Compound Miter Saw
			Power:	1800W motor for high cutting performance

	accessories		Blade Diameter:	254mm (10 inches)
			No Load Speed:	5000 RPM for smooth, fast cuts
			Maximum cutting depth (at 90°):	305mm (width) x 85mm (height)
			Bevel cutting capacity:	0° to 47°
			Features:	Precise miter cuts with adjustable bevel settings
				Laser guide for enhanced accuracy
				Soft start for smoother operation
			Construction:	Durable aluminum and robust frame for stability
			Weight:	17.4 kg for balance and portability
			Accessories:	Includes saw blade, dust bag, and adjustable work clamp.
2	Stand Drill Machine	5	Power:	250W motor
			Chuck Size:	13mm
			Speed:	Variable speed, ideal for light to medium-duty tasks
			Features:	Compact design suitable for small-scale operations, easy to operate for hobbyists and small workshops
3	Potable electrical hand drill machine	10	Power:	500W motor for robust performance
			Speed:	0-2,600 RPM for fast drilling
			Chuck Capacity:	1-10mm for versatile usage
			Impact Rate:	0-41,600 BPM for high efficiency
			Drilling Diameter:	Concrete: Up to 10mm
				Wood: Up to 20mm
				Steel: Up to 8mm
			Weight	1.5 kg for easy handling
4	Hole saw	10	Sizes:	25mm, 30mm, 35mm, 45mm
			Material:	Bimetal for durability and smooth cutting
5	Drill bit sets		Sizes:	1mm to 12mm
6	Portable sanding machine	3	Motor Power:	220W motor for fine sanding.
			Dust Extraction:	Efficient dust collection for cleaner work environment.
			Versatility:	Ideal for both rough and fine sanding tasks.
			Ergonomics:	Compact and comfortable for extended use.
7	Portable Rip saw	2	Power:	1500W motor for high cutting capacity.
			Blade Diameter:	185mm, cutting depth of 65mm.
			Weight:	3-5 kg
			Additional:	Ergonomic design for comfort during prolonged use.

8	Portable jig saw	2	Power:	450W motor for precision cutting.
			Stroke Rate:	500-3,100 SPM (strokes per minute)
			Blade Capacity:	65mm in wood, 6mm in steel.
			Weight:	2 -4 kg
			Features:	Tool-less blade change, ergonomic handle.
9	Air compressor 2HP with Pneumatic switch	1	Power: 2	2HP motor for efficient performance.
			Capacity:	50-100 liters tank size.
			Pressure:	8-10 bar (116-145 PSI) maximum working pressure.
			Flow Rate:	200-250 L/min.
			Features:	Includes pneumatic switch for automatic on/off control, reducing manual intervention.
			Motor Type:	Oil-lubricated or oil-free versions available depending on application
10	Spray gun (2 liter capacity)	2	Capacity:	2 liters for holding paint or liquid.
			Material:	High-quality plastic or metal body for durability
			Spray Type:	Adjustable nozzle for fine to coarse spray patterns
			Air Pressure:	Requires 3-4 bar (approx. 45-60 PSI)
			Weight:	Typically around 1-1.5 kg.
			Application:	Used for painting, coating, and other fluid applications in industries or workshops.
11	Clamps/Carpentry vice 8'	10	Size:	8-inch jaw width, suitable for most general carpentry tasks.
			Material:	Heavy-duty cast iron or steel for durability and strength.
			Jaw Capacity:	Typically around 8-10 cm, depending on model.
			Jaw Type:	Flat or serrated jaws for a firm grip.
			Mounting:	Bench-mounted with a sturdy base for secure use.
12	Bamboo tool kit boxes		Tool Type:	Power Drill, Snips, Hammer, Level, Drill Bits, Measuring Tape, Socket, Screwdriver, Allen Key, Plier, Wrench, Cutter 650 W (1 set- box)
13	Table vice	1	Material:	Cast iron or steel for durability and strength.
			Jaw Width:	Typically 4" to 8" depending on the size.
			Clamping Capacity:	Can hold a range of materials (metal, wood, bamboo) up to a specific width.
			Swivel Base:	Allows rotation for flexible positioning.
			Jaw Design:	Flat or V-shaped for secure grip on different materials.
			Handle:	Ergonomic for easy tightening.
			Mounting:	Bench-mounted for stability during use.

14	Table Grinding machine	1	Motor Power:	0.5 HP to 1 HP
			Grinding Wheel Size:	6" to 8" diameter
			Speed:	2800 RPM (Rate per minute)
			Frame:	Cast iron or steel construction for stability
			Cooling:	Water cooling system included
			Safety:	Safety shields and emergency switches
15	Working table	1	Material	Steel, cast iron, or wood for a durable surface.
			Size:	Common sizes range from 4ft x 2ft to 6ft x 3ft.
			Weight Capacity:	Typically handles 200-500 kg depending on the construction.
			Height:	Adjustable for ergonomic comfort
			Storage:	Includes drawers or shelves for tools.
			Surface:	Flat, non-slip, designed for stability
16	Treatment tank for boiling	1	Material:	Stainless steel or fiberglass for corrosion resistance.
			Size:	200L to 500L capacity, with dimensions depending on specific needs (e.g., 6ft x 3ft).
			Heating Method:	Electric or gas or waste wood heating element for efficient boiling.
			Temperature Range:	Up to 100°C, with adjustable settings.
			Safety Features:	Overheat protection, pressure release valve, and secure lid.
			Drainage:	Includes a valve for easy liquid disposal.
17	Circular Saw	1	Motor Power:	1200W to 1600W for effective cutting.
			Blade Diameter:	185mm to 190mm.
			No Load Speed:	5000-5500 RPM for smooth cuts.
			Cutting Capacity:	Up to 65mm at 90°, and 45mm at 45°.
			Weight:	4.0-5.0 kg for portability and stability.
			Features:	Integrated dust extraction, ergonomic handle, and bevel cutting options.
			Safety:	Safety guard and blade lock.
18	Portable Planer	1	Motor Power:	650W to 900W for efficient wood planing.
			Cutting Depth:	Adjustable depth ranging from 0 to 3mm.
			Planing Width:	Typically 82mm for versatile cutting.
			Speed:	15,000 to 20,000 RPM for smooth results.
			Weight:	Around 2.5 to 3.5 kg for ease of handling.
			Design:	Ergonomic handle for reduced user fatigue, dust extraction port.
			Features:	Depth adjustment knob, parallel guide for precision.

19	Cross Cutting Machine	1	Motor Power:	1HP to 3HP, offering enough power for cutting various materials like wood and bamboo.
			Blade Size:	Typically 250mm to 350mm in diameter.
			Cutting Capacity:	Maximum cutting width of 100mm to 200mm and depth of up to 70mm.
			Speed:	2,800 to 4,000 RPM for smooth cutting.
			Frame:	Sturdy metal frame for durability
			Safety Features:	Blade guard, emergency stop button.
			Weight:	30-50 kg for stability and performance.
20	Parallel Splitting machine	1	Motor Power:	3HP, offering enough power for cutting various materials like wood and bamboo.
			Blade Size:	Typically 250mm to 350mm in diameter.
			Cutting Capacity:	Maximum cutting width of 100mm to 200mm and depth of up to 70mm.
			Speed:	2,800 to 4,000 RPM for smooth cutting.
			Frame:	Sturdy metal frame for durability
			Safety Features:	Blade guard, emergency stop button.
			Length	4 ft Bamboo
21	External Knot remover machine:	1	Motor Power:	1 HP, Single Phase
			Bamboo Capacity:	Any Bamboo for removing External knot
			Blades:	270 mm OD x 16T
			Spindle	Alloy Steel, Use of SKF/ NTN bearings
			Safety:	Protective guard and emergency stop button
			Applications:	Used for bamboo crafting, construction, flooring, and weaving
			Production Capacity:	Can process 180 knot per hour minimum
22	Two Side Planer	1	Motor Power:	1.5 HP X 3
			Width	30 mm max
			Blades:	2 Nos
			Spindle	Alloy Steel, Use of SKF/ NTN bearings
			Safety:	Protective guard and emergency stop button
			Applications:	Used for bamboo crafting, construction, flooring, and weaving
23	Manual Splitter	10	Type:	Manual Bamboo Splitter, 4/6/8 blade
			Material:	High-quality steel or cast iron for durability
			Capacity:	Splits bamboo poles up to 3-4 inches in diameter
			Features:	Hand-operated lever mechanism, adjustable for different split widths, compact design for workshop use
			Safety:	Blade guards for safety
			Weight:	Around 15-25 kg

24	Bamboo Slicer with inside knot removing machine	1	Power	1.5 HP X 2
			Width slice:	Up to 30mm
			Minimum Rollers	8 Nos
			Additional Function	Should work to remove Inside Knot also
				Should work as a Single Side Planer also
Additional:	With Special Slicer blade for long life Along with 'V' belt, R/F switch & tool kit (To slice the bamboo and remove inside knot)			

Lot #3

Specifications for "Procurement of Supply, Installation, Commissioning and Testing of tools, machinery, and equipment under State Bamboo Mission, MBMA"				
Sl. No	Item	Qty	Item Description	Specifications
1	Bamboo Cross Cutter Machine	1	Power	1 HP, Single Phase
			Cutting capacity maximum dia:	105 mm
			Circular cutter dia:	350 mm
			Elect Moter:	1 HP 3 PH 1440 RPM
			Additional:	Use of SKF/ NTN Bearing, Alloy Steel Spindle, with Bamboo Clamping Arrangement, With a Mounted Starter, Push Button on Machine, 100 Kg weight
2	External Knot remover machine:	1	Motor Power:	1 HP, Single Phase
			Bamboo Capacity:	Any Bamboo for removing External knot
			Blades:	270 mm OD x 16T
			Spindle	Alloy Steel, Use of SKF/ NTN bearings
			Safety:	Protective guard and emergency stop button
			Applications:	Used for bamboo crafting, construction, flooring, and weaving
			Production Capacity:	Can process 180 knot per hour minimum
3	Manual Splitter	1	Set of	4/6/8/10/12 blades. Ring Size: 9 Inch, with Handle and Frame
4	Thick Sliver Machine	1	Power	2 HP
			Width of Slice:	30 mm
			Input Thickness, Max	20 mm
			Blade	HCHCr
			Rollers	6 Nos, Hardened

			Additional	Along with V-Belt, DOL Starter, R/F Switch & Tool kit
5	Bamboo Thin Slicer/Sliver Machine	1	Width of Slice:	30 mm
			Minimum Thick:	0.7 mm
			Machine Feeder:	2 Roller
			Elect Motor:	0.5 HP
			Additional	Along with V-Belt, DOL Starter, R/F Switch & Tool kit
6	Bamboo Power Tool Kit	2	Drill Machine	<p>Power Supply: Corded (110V/220V) for continuous use or cordless (12V-18V) for portability.</p> <p>Drill Type: Corded or cordless drills, with optional hammer drill function for masonry.</p> <p>Chuck Size: Typically 1/2" (13mm) for a wide range of bits, with a keyless chuck for quick bit changes.</p> <p>Speed Control: Variable speed (0-2500 RPM) for different materials and applications.</p> <p>Torque Settings: Adjustable torque (10Nm-40Nm) for precise work on various materials.</p> <p>Ergonomics: Lightweight, with a pistol grip or side handle for comfort, and anti-vibration features.</p> <p>Additional Features: Reverse function, LED light, depth stop, and dust extraction.</p> <p>Applications: Suitable for woodworking, light metalworking, masonry, and assembly tasks.</p>
			Heat Gun	<p>Power: Typically 1200W to 2000W.</p> <p>Temperature Range: 50°C to 650°C for different applications.</p> <p>Airflow Settings: Multiple speeds, usually 200-500 L/min.</p> <p>Control: Adjustable temperature and airflow; some models have digital displays.</p> <p>Attachments: Includes various nozzles for different tasks (e.g., concentrator, deflector).</p> <p>Safety Features: Heat insulation, automatic shut-off, and cool-down period.</p> <p>Applications: Paint removal, shrink wrapping, drying, soldering, and thawing pipes.</p> <p>Ergonomics: Lightweight (1-1.5 kg) and ergonomic for comfort.</p>
			Jigsaw Machine	<ol style="list-style-type: none"> 1. Power: 450W motor for precision cutting. 2. Stroke Rate: 500-3,100 SPM (strokes per minute). 3. Blade Capacity: 65mm in wood, 6mm in steel. 4. Weight: 2 -4 kg <p>Features: Tool-less blade change, ergonomic handle.</p>

			<p>Sander Machine</p> <p>Power Supply: Typically corded (110V-220V) or cordless (18V-20V). Power: Ranges from 200W to 750W depending on the type (orbital, belt, or finishing sanders). Speed Control: Variable speed, generally between 10,000 to 25,000 oscillations per minute (OPM) for orbital sanders. Sanding Surface Area: Orbital Sanders: 100mm to 125mm pad size. Belt Sanders: Belt size typically 75mm x 533mm or 100mm x 610mm. Dust Collection: Many models come with a built-in dust bag or dust extraction port. Ergonomics: Lightweight (1-3 kg), with ergonomic grips for comfort during use. Additional Features: Quick-change sanding pads, low-vibration design, and soft start for smoother operation.</p>
			<p>Cutter Machine</p> <p>Blade Material Tungsten Carbide, Diamond Blades, Steel Tooth Blades, Surface Recommendation Wood, Engineered Wood, Marble, tiles, Granite Power Source Corded Electric Special Feature Ergonomic Handle Included Components Wrench, Cutter Product Dimensions 22L x 22W x 19H Centimeters Voltage 230 Volts (AC)</p>
			<p>Grinder Machine</p> <p>Product Dimensions: 35.7L x 13.9W x 13.6H Centimeters Style: Adjustable Power Source: Corded Electric</p>
7	Bamboo Hand Tool Kit for Jewellery Making	10	"Power Drill, Snips, Hammer, Level, Drill Bits, Measuring Tape, Socket, Screwdriver, Allen Key, Plier, Wrench, Cutter 650 W (1 set- box)"

Lot#4

Specifications for "Procurement of Supply, Installation, Commissioning and Testing of tools, machinery, and equipment under State Bamboo Mission, MBMA"				
Sl. No	Item	Qty	Item Description	Specifications
1	Bamboo Cross Cutter Machine	1	Cutting capacity maximum dia:	105 mm
			Circular cutter dia:	350 mm
			Elect. Motor:	1 HP 3 PH 1440 RPM
			Additional:	Use of SKF/ NTN Bearing, Alloy Steel Spindle, with Bamboo Clamping Arrangement, With a Mounted Starter, Push Button on Machine, 100 Kg weight
2	External Knot	1	Motor Power:	1 HP, Single Phase
			Bamboo Capacity:	Any Bamboo for removing External knot

	remover machine:		Blades:	270 mm OD x 16T
			Spindle	Alloy Steel, Use of SKF/ NTN bearings
			Safety:	Protective guard and emergency stop button
			Applications:	Used for bamboo crafting, construction, flooring, and weaving
			Production Capacity:	Can process 180 knot per hour minimum
3	Bamboo Auto Splitter Machine	1	Motor Power:	5 HP
			Bamboo Capacity:	Handles bamboo up to 100 mm to 150 mm in diameter and 4 ft to 6 ft in length
			Blades:	6, 8, 10, 12 Blades
			Automation:	Semi-automatic or fully automatic feeding and splitting system
			Splitting Mechanism:	Hydraulic or motor-driven with adjustable splitting width
			Safety Features:	Safety guards, emergency stop button, and operator handles
			Production Capacity:	Can process 50 to 150 bamboo pieces per hour. Machine Weight: 700 Kg+
			Applications:	Bamboo crafting, small-scale furniture making, weaving, and flooring
4	Bamboo slicer two stroke Machine	1	Rollers	8 NOS
			Motor Power	2 HP
			Bamboo Capacity:	Handles bamboo up to 50 mm to 100 mm in diameter and 3 ft to 6 ft in length
			Blades:	1 Nos, HCHCr
			Frame Material:	Steel or durable metal frame
			Safety Features:	Blade guards, safety switches, and emergency stop button
			Production Capacity:	Min 20 Kg Slice/ hour
			Applications:	Bamboo crafting, small furniture making, and bamboo mat production
5	Bamboo round stick machine	1	Motor Power:	9 HP
			Machine Weight	500 Kg+
			Bamboo Length:	Capable of processing bamboo up to 6 ft to 10 ft in length
			Cutting Blades:	4 Blades
			Stick Range	1.3 mm upto 6 mm
			Frame Material:	Steel or cast iron for durability
			Production Capacity:	min 18 Kg Sticks/ hour
			Applications:	Bamboo stick production for skewers, crafts, and small furniture items
			Safety Features:	Safety guards, emergency stop button, and operator handles
6	Bamboo square stick machine	1	Motor Power:	1.5 HP
			Size Adjustable	2 mm upto 6 mm
			Bamboo Length:	Capable of processing bamboo up to 6 ft to 10 ft in length
			Cutting Blades:	carbon Steel/ HSS
			Splitting Mechanism:	Manual or semi-automatic with adjustable blade settings for square stick dimensions

			Frame Material:	Steel or cast iron for durability
			Production Capacity:	min 20 Kg/ hour
			Applications:	Bamboo stick production
			Safety Features:	Blade guards, emergency stop button, and operator handles
7	Bamboo stick sizing machine	1	Motor Power:	2 HP
			Bamboo Diameter:	Handles bamboo up to 50 mm to 100 mm in diameter
			Bamboo Length:	Processes bamboo up to 6 ft to 8 ft in length
			Cutting Blades:	1 Nos, TCT with high no of Teeth, 14" Dia
			Sizing Mechanism:	Manual or semi-automatic with adjustable settings for stick size
			Frame Material:	Steel or durable metal frame for stability
			Production Capacity:	Should be able to size 100+ bundles/ hr
			Applications:	Bamboo stick sizing for crafting, furniture, skewers, and construction
			Safety Features:	Safety guards, emergency stop button, and operator handles
8	Multi bamboo cutter grinder	1	Motor Power:	1 HP
			Bamboo Diameter:	Handles bamboo up to 50 mm to 100 mm in diameter
			Cutting/Grinding Blades:	Multiple fixed or rotating blades made of hardened steel or stainless steel
			Grinding Mechanism:	Manual or semi-automatic with adjustable cutting/ grinding settings
			Frame Material:	Steel or cast iron for durability and stability
			Wheel	Diamond Wheel and White Wheel
			Applications:	Used for cutting and grinding bamboo into smaller pieces for crafts, flooring, and furniture production
			Safety Features:	Blade guards, emergency stop button, and operator handles
9	Mat blind weaving machine	1	Motor Power:	1 HP to 2 HP (single-phase or three-phase)
			Weaving Width:	1 m to 1.5 m (depending on the model)
			Material:	Suitable for weaving bamboo strips, reeds, or other natural fibers
			Frame Material:	Steel or durable metal frame for stability
			Weaving Mechanism:	Manual or semi-automatic with adjustable tension and weaving patterns
			Applications:	Production of bamboo mats, blinds, and small woven products
			Safety Features:	Safety guards, emergency stop button, and operator handles
10	Bamboo tool kit	1	Drilling Tools:	Bamboo drills or augers
			Sanding Tools:	Sandpaper, files, or small sanding machines
			Measuring Tool	Rulers, calipers, and measuring tapes
			Material:	High-quality steel, stainless steel, or durable metal for sharpness and long life
			Handle Material:	Wood, rubber, or ergonomic plastic for comfortable grip
			Carrying Case:	Portable, usually made of durable fabric or plastic to organize and store tools

11	Bamboo power tools	1	Bamboo:	Power Tool Kit
			Model:	PBM-PT-001
			Drill Machine -1 No	<p>Power Supply: Corded (110V/220V) for continuous use or cordless (12V-18V) for portability.</p> <p>Drill Type: Corded or cordless drills, with optional hammer drill function for masonry.</p> <p>Chuck Size: Typically 1/2" (13mm) for a wide range of bits, with a keyless chuck for quick bit changes.</p> <p>Speed Control: Variable speed (0-2500 RPM) for different materials and applications.</p> <p>Torque Settings: Adjustable torque (10Nm-40Nm) for precise work on various materials.</p> <p>Ergonomics: Lightweight, with a pistol grip or side handle for comfort, and anti-vibration features.</p> <p>Additional Features: Reverse function, LED light, depth stop, and dust extraction.</p> <p>Applications: Suitable for woodworking, light metalworking, masonry, and assembly tasks.</p>
			Heat Gun - 1 No	<p>Power: Typically 1200W to 2000W.</p> <p>Temperature Range: 50°C to 650°C for different applications.</p> <p>Airflow Settings: Multiple speeds, usually 200-500 L/min.</p> <p>Control: Adjustable temperature and airflow; some models have digital displays.</p> <p>Attachments: Includes various nozzles for different tasks (e.g., concentrator, deflector).</p> <p>Safety Features: Heat insulation, automatic shut-off, and cool-down period.</p> <p>Applications: Paint removal, shrink wrapping, drying, soldering, and thawing pipes.</p> <p>Ergonomics: Lightweight (1-1.5 kg) and ergonomic for comfort.</p>
			Jigsaw Machine -1 No	<ol style="list-style-type: none"> 1. Power: 450W motor for precision cutting. 2. Stroke Rate: 500-3,100 SPM (strokes per minute). 3. Blade Capacity: 65mm in wood, 6mm in steel. 4. Weight: 2 -4 kg <p>Features: Tool-less blade change, ergonomic handle.</p>
Sander Machine - 1 No	<p>Power Supply: Typically corded (110V-220V) or cordless (18V-20V).</p> <p>Power: Ranges from 200W to 750W depending on the type (orbital, belt, or finishing sanders).</p> <p>Speed Control: Variable speed, generally between 10,000 to 25,000 oscillations per minute (OPM) for orbital sanders.</p> <p>Sanding Surface Area:</p> <p>Orbital Sanders: 100mm to 125mm pad size.</p> <p>Belt Sanders: Belt size typically 75mm x 533mm or 100mm x 610mm.</p> <p>Dust Collection: Many models come with a built-in dust bag or dust extraction port.</p> <p>Ergonomics: Lightweight (1-3 kg), with ergonomic grips for comfort during use.</p> <p>Additional Features: Quick-change sanding pads, low-vibration design, and soft start for smoother operation.</p>			

			Cutter Machine - 1 No	Blade Material Tungsten Carbide, Diamond Blades, Steel Tooth Blades, Surface Recommendation Wood, Engineered Wood, Marble, tiles, Granite Power Source Corded Electric Special Feature Ergonomic Handle Included Components Wrench, Cutter Product Dimensions 22L x 22W x 19H Centimetres Voltage 230 Volts (AC)
			Grinder Machine - 1 No	Product Dimensions: 35.7L x 13.9W x 13.6H Centimetres Style: Adjustable Power Source: Corded Electric
12	Pneumatic tools (Air Tools)	1	Power:	2HP motor for efficient performance.
			Capacity:	50-100 liters tank size.
			Pressure:	8-10 bar (116-145 PSI) maximum working pressure.
			Flow Rate:	200-250 L/min.
			Features:	Includes pneumatic switch for automatic on/off control, reducing manual intervention.
			Motor Type:	Oil-lubricated or oil-free versions available depending on application.
13	Cutter and tools	1	Cutting Tools:	Bamboo knives, scissors, and shears
			Shaping Tools:	Carving knives, chisels, and rasps

Sd/-

Mission Director,
Meghalaya State Bamboo Mission
Meghalaya Basin Management Agency