



**REPUBLIKA NG PILIPINAS**  
**Pangasiwaan Sa Pagpapaunlad Ng Kalakhang Maynila**  
**(Metropolitan Manila Development Authority)**

***Procurement of 6 units Water Treatment and Purification Equipment***  
**BID BULLETIN NO. 1**  
March 29, 2019

All eligible bidders are hereby informed of the following changes, amendments and clarifications on the bid documents for the above mentioned project:

Amendments/Clarifications:

1. Technical Specifications page 72 of the bidding documents:
  - Rescue 2 units
    - a. Engine: Single phase motor (AC100V-200V)
    - b. Treatment Capacity By Reverse Osmosis Membrane:
      - b.1 sea water: maximum of 120L/H
      - b.2 fresh water (25°C) : maximum 300 L/H
    - c. Suction Lifting Height: at least 10m
    - d. Recovery Rate: 70%
    - e. Power Supply/Fuel: AC Single Phase Motor (240V) Generator (5kva)
    - f. Engine Oil Requirement: 0.6 Liter (Engine)/0.8 liter (High pressure Pump)
    - g. Fuel Tank Capacity: 3.1 Liter
    - h. External Dimension: H=600XL – 650XL = 700XD -750XD=550MM-600MM
    - i. Weight: Dry weight: not more than 70kg
    - j. Quality of Material: Stainless, FRP, Polypropylane, Others
    - k. Sterilize by: Ultraviolet sterilizer
    - l. Raw Water Condition: Less than 30,000ppm (from Sea Water case)  
Fresh water: The water where a creature lives.
    - m. Accessories: Well pump, Raw intake water hose with mesh filter (6m), Drain water hose (3m), 10 inch pre-filter (CTO Carbon), Manuals, TDS Tester
    - n. E-trike with MMDA logo
  - Hybrid 4 units
    - a. Single phase motor (AC100V-200V)
    - b. Raw Water: Sea Water, Fresh water (Pool, Bathtub, Rain water tank, Fire protection water tank, River water, Pond Water, well water, etc.)
    - c. Suction Lifting Height: at least 6-8m
    - d. Recovery rate: 70%
    - e. Power Supply/Fuel: AC single phase motor + manual hand (2ways) Generator (5kva)
    - f. Engine oil requirement: 0.6 Liter (Engine)/0.8 liter (high pressure Pump)
    - g. Fuel Tank Capacity: 3.1 Liter
    - h. External Dimension: H=600XL – 700XL = 400 -500XD=300-350MM
    - i. Weight: dry weight: 35kg

- j. Quality of Material: Aluminum, Stainless, Polypropylene, others
- k. Sterilize by: Ultraviolet sterilizer/Ozon sterilizer
- l. Raw water condition: Less than 30,000ppm(from Sea Water or Fresh Water)  
Freshwater: the water where a creature lives
- m. Accessories: Well pump, Raw intake water hose with mesh filter (6m), Drain water hose (3m), 10 inch pre-filter (CTO Carbon), Manuals, TDS Tester
- n. E-trike with MMDA logo

This Bid Bulletin shall form an integral part of the bid documents of the project.

PREPARED BY:

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