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Cleaning Membrane Bioreactor's Tanks at Ansab STP for Three Years

SCOPE SYNOPSIS

BACKGROUND:

- The Al Ansab MBR Facility requires periodic “Maintenance Cleaning of its MBR Membrane Sheets” The cleaning of the MBR Sheets is an essential Operational Maintenance Activity required to relieve the membranes sheets of accumulated solids on its surface which is affecting filtration efficiency.
- Executing this contract will optimize recovery and or maintain the filtration efficiency and prevent irreversible fouling of the membranes.
- All works under this Contract shall be done only on the receipt of written orders/instruction from OWWSC for each cleaning request and payment shall be released for the completed work only.
- This tender was presented and approved for open Tender in last years for a 3-year Contract.

SUMMARY OF SCOPE FOR WORK:

1. This Contract will be for the period of 1 year “Call Off” contract, as per 2023 Operational Maintenance plan for MBR Membranes.
2. The services (SOW) under this Contract are summarized below:
 - a. This contract includes the supply of manpower, cleaning tools and cleaning equipment, vehicles required for cleaning of the Twelve (12) MBR Tanks and its Membranes Cartridges at Al Ansab MBR Treatment Facility.
 - b. Scope of the cleaning activities will include:
 - Removal of membrane cartridges from each cassette and perform manual removal of accumulated sludge on the surface of the membrane cartridges and re-installation of the cleaned membrane sheets back into the cassettes and into the MBR Tank.

- Cleaning of air scouring diffusers, cassette and removal of grit and sand from the MBR tanks. The contractor should be responsible for dumping this debris at appropriate landfill.
- Provision of Appropriate Transport Vehicle to transfer MBR cassettes from MBR Tanks to wash down facility and back to MBR tanks • Provision of 50-ton crane for a maximum period of 3 days/tank to be cleaned.

