



# EWI RITA Roadshow on RFP0801/0802



**Environment & Water Industry Development Council (EWI)**

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# Biological Processes RPF 0801 - Summary

## - Biological Processes in Water & Used Water Treatment

Website: <https://rita.nrf.gov.sg/ewi/RFP0801Bioprocesses/default.aspx>

### Research Objectives:

To reduce energy and sludge management costs associated with the processes in this domain.

The specific areas of interest can include (but are not limited to) the following:

- A. Cyclic Membrane Bioreactor (MBR) systems – up to 2 years of research including pilot testing.
- B. Osmotic MBR systems – up to 2 years of research including pilot testing.
- C. Deflocculated systems – up to 4 years of research including pilot testing.
- D. Low substrate anaerobic systems – up to 5 years of research including pilot testing.



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# Chemical Redox Processes RFP 0802 - Summary

## - Chemical reduction-oxidation (redox) in Water & Used Water Treatment

Website: <https://rita.nrf.gov.sg/ewi/RFP0801ChemicalRedox/default.aspx>

### Research Objectives:

To improve water quality and treatment efficiency, reduce chemical usage and to investigate alternate treatment techniques for specific water application.

The specific areas of interest can include (but are not limited to) the following:

- A.  $\text{TiO}_2$  Photocatalytic oxidation (PCO) – up to 3 years of research including pilot testing.
- B. Silver disinfection – up to 3 years of research including pilot testing.
- C. Sulphate radicals advanced oxidation process (SR-AOP) – up to 5 years of research including pilot testing.



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# RPF 0801 & 0802 -Highlights

- Proposals should be within the said domain and preferably within, **but not restricted**, to the specific research areas of interest stated in the respective RFP factsheets.
- Cross-disciplinary and multi-disciplinary research proposals are encouraged.
- Proposals involving **international collaborations** are strongly encouraged and will be part of the evaluation criteria.
  - All funded R & D activities have to be carried out in Singapore
  - Research could be done as part of an international program with independent funding.
  - Visiting Experts: duration of a few weeks to < 6 months



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- Where possible, applicants are encouraged to **group their individual proposals to form a Program Proposal** within the said domain.
  - Individual proposals should be submitted separately through RITA
  - Each proposal should be stand-alone in terms of its merits
  - It should be indicated in the proposal writeup that the individual proposal is part of a program.
- Pre-determined values for manpower costs have not been stipulated in this grant call. Enter your manpower budget under **Other Expenditure on Manpower (EOM)** instead of under Expenditure on Manpower (EOM) section.



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# RPF 0801 & 0802 -Highlights

- Take note that EWI **does not fund** the 7% Goods & Service Tax (GST). Please do not include any GST amount when you submit your budget in RITA.
- In addition to lodging the application via the NRF RITA system, all applicants must fill in the prescribed "IRIS form", downloadable from the respective websites.
- Submit three (3) hardcopies of the proposal (duly signed and endorsed) to EWI within 1 week after closing date of the RFP. Print-outs of the RITA submission are not required.

