



Preliminary Market Engagement Notice Grout and Concrete Mixing Trials

12 November 2025

Introduction

This notice informs suppliers about Nuclear Restoration Services' (NRS') intention to conduct preliminary market engagement. The purpose of this engagement is to identify suppliers with an interest in carrying out trials to test the feasibility and practicality of commercially available mobile concrete batching plants to produce grout and concrete for the encapsulation of waste arising from nuclear reactor decommissioning.

Background

Nuclear Restoration Services (NRS) is a wholly owned subsidiary of the Nuclear Decommissioning Authority (NDA) and has responsibility for decommissioning a series of nuclear reactors and associated structures located on sites throughout the UK. As part of this work, it is necessary to encapsulate retrieved waste in bespoke waste packages with a final mass of up to 50t. NRS is looking at the options for delivering grout and concrete of a specified mix into an encapsulation facility. One such option is the use of a mobile concrete batching plant. NRS is looking to engage one or more suppliers to carry out trials based on the use of mobile concrete batching plants. The results of these trials will be used to inform the development of NRS' future strategy and delivery approach.

Purpose of Engagement

The purpose of this preliminary market engagement is to identify suppliers to engage in the delivery of those trials.

Please note that participation in this preliminary market engagement and/or the trials will not provide any commercial advantage or disadvantage and/or any commitment from NRS to engage with any subsequent procurement arising as a result of these trials.

Scope of Requirement

NRS requires the support of the supply chain to carry out trials to demonstrate the feasibility of using a mobile mixer to generate grout and concrete to a bespoke specification for the encapsulation of waste:

Trial 1 – Grout mixing, which will be used to encapsulate waste in a container and

Trial 2 – Concrete mixing, which will be used to cast a lid on the waste container.

Suppliers must be able to demonstrate precise mixing capabilities using calibrated equipment or equivalent methods.

Whilst the trials are to take place at the contractor's premises or another suitable location provided by the contractor, the solution must be capable of being provided from other locations.

Following the trials the following is to be provided to NRS:

- Concrete test cubes and trial lid for NRS testing.
- Results of the various tests (Colflow, wet density, slump flow, J-Ring, etc).
- Output of any mixer control system information for QA purposes.
- Written feedback on mixer performance.
- Photographic and video records of the trials.
- Transportation, installation and commissioning details for successful mixers together with the estimated time and cost to install and commission.

All data, results, reports, photographs, videos and other outputs generated during the trials will be owned by NRS and may form part of other future procurement opportunities. Participation in the trials does not confer any commercial advantage in future procurement processes. Any perceived advantage may result in exclusion from subsequent procurements relating to the mobile batching plant.

Please note that the value stated in the notice is NRS' total budget for the trials.

Contract Dates (estimated)

Contract award December 2025/January 2026 with trials expected to take place January/ February 2026.

Main Procurement Category

Works

CPV Classifications

45262300 Concrete Work

Engagement

Engagement Deadline

26 November 2025

Engagement Process Description

For suppliers interested in working with NRS on these trials, please send your contact details to rachael.sheriff@nrservices.uk by 26 November 2025. NRS will send a Request to Quote for the trials to those suppliers that have registered their interest.