



**COOTAMUNDRA -  
GUNDAGAI REGIONAL  
COUNCIL**

# Request for Tender

## 03 General

*Gundagai Water Treatment Plant (GWTP)  
Filter Rehabilitation  
And  
Media Replacement*

*CGRC Contract No. RFT 2024/5*



# 3. General

## Table of Contents

1. Description of Works.....	3
1.1. Milestone 1: Pre-construction.....	3
1.2. Milestone 2: Construction.....	3
1.3. Milestone 3: Work as Executed Drawings/Operational Manual.....	4
2. Location of Sites.....	4
3. Design Work.....	4
3.1. General.....	4
3.2. Contractor's Documents.....	4
3.3. Drawing Standards.....	4
3.4. Datum.....	4
3.5. Title Block.....	5
3.6. Submission.....	5
4. Standard Technical Specifications.....	5
4.1. WS-SPEC: Water Service Specification.....	5
4.2. Water Service Association of Australia on.....	5
4.3. Standard Specification Inconsistencies.....	5
5. Witness and Hold Points.....	6
6. Dilapidation Report.....	6
7. Compound/Stockpile Areas.....	7
8. Setting Out.....	7
8.1 General.....	7
9. Notification to Residents (Private Property).....	7
10. Changeover from Existing to New Infrastructure.....	7
10.1. General.....	7
10.2. Disruption to Existing Operation.....	7
10.3. Temporary Services.....	8
10.4. Workshop.....	8
11. Road Opening.....	8
12. Complaints and Compliments.....	8

## 3. General

### 1. Description of Works

The works under this Contract include, but are not limited to, the following:

#### 1.1. Milestone 1: Pre-construction

1. Statutory Payments, including but not limited to fees, insurance, long service levy etc.
2. Documentation of Contractor's management plans and details:
  - Construction Program
  - Quality Plan and inspection and test plans
  - Project Industrial Relations Management details
  - WH&S Management Plan
  - Environmental Management Plan
  - Review of Environmental Factors (REF and associated approvals)
3. Pre-construction Reports
  - Dilapidation Report
4. Contractor's Designs
  - Liaise with the Department of Primary Industry (DPE) formally known as NSW Office of Water for selection of filter rehabilitation and media replacement.

#### 1.2. Milestone 2: Construction

Filter Rehabilitation and Media Replacement – one at a time.

1. Collect the plant filtration results (at least 2 -3 seasons) prior to taking filtration system offline. **Please note the Council operations team should be able to provide the data.**
2. Take filtration system offline. Remove media from the filtration system.
3. Inspect and prepare the filtration tank for rehabilitation as per WS TR20 code.
4. Apply mortar and protective coating / layer as per WS TR20 code for the filtration tank.
5. Replace air nozzles and associated pipework in the filtration system.
6. Replace the filter media for one filtration system and wait for the filtration system to settle before proceeding to another one.
7. The filtrate parameters must be equivalent or better than the results received from the operations staff before starting the construction.

8. Once achieved, proceed with the other filtration system and follow steps 2 to 7.

### 1.3. Milestone 3: Work as Executed Drawings/Operational Manual

Work as Executed Drawings or operational manual will be required post construction activity.

## 2. Location of Sites

The site of the works is located within the Gundagai township.

## 3. Design Work

### 3.1. General

The Contractor is to complete the design as per the standard specification to the extent where it is compliant and constructed. The design may require approval from DPE and other statutory authorities before construction commenced.

This includes but is not limited to the Contractor's Documents listed under Clause 3.2 below.

### 3.2. Contractor's Documents

Contractor's documents shall include, but not be limited to, the following:

#### **Filter Rehabilitation and Media Replacement**

##### Pre-construction Information

- Provide information on the filtration rehabilitation – appropriate mortar and coating requirements and
- media replacement based on the instructions from DPE, Council and other statutory Authorities.

On review of the Contractor's design/ documentation, the principal may wish to adjust or change with an independent verification of the intake and associated supporting structure. The impact of any such adjustment shall be treated as a variation under the contract.

### 3.3. Drawing Standards

All drawings shall conform to AS 1100 – Technical Drawing. Abbreviations and units shall be in accordance with AS 1000. Dimensions shall be in metric units. All drawings shall remain perfectly legible when reduced to A3 size. Refer also to electrical drawing requirements specified elsewhere.

### 3.4. Datum

All levels shown on the drawings shall be Australian Height Datum (AHD)

### 3.5. Title Block

All drawings, including any manufacturer's standard, workshop, or certified drawings, must include a properly formatted title block. A typical format is shown on the WSA drawings included in the documents. The title block is to include:

- Name of the Contractor
- Name and number of drawings
- Revision number and details of any amendments.

### 3.6. Submission

Submit drawings, for review by the Principal as follows: -

- A3 Size prints: 2 sets
- PDF files

Hard copies are to be printed on standard size paper, 80 gsm and sorted in order.

## 4. Standard Technical Specifications

### 4.1. WS-SPEC: Water Service Specification

The **Water Service Specification (WS-SPEC)**, including any addenda forms part of this specifications.

The specification does not include a copy of **WS-SPEC**. Contractors shall make their own arrangements in obtaining a copy.

### 4.2. Water Service Association of Australia on

The **Water SUPPLY CODE OF AUSTRALIA (WSA 03 – 2011)** forms part of this specification.

The specification does not include a copy of **WSA 03**. Contractors shall make their own arrangements in obtaining a copy, which can be purchased from:

Water Service Association of Australia Inc,

Level 6, 75 Elizabeth Street  
Sydney NSW 2000

GPO Box 915  
Sydney NSW 2001

Phone: (03) 8605 7600  
Email: info@wsaa.asn.au

### 4.3. Standard Specification Inconsistencies

Should there be any contradictions between any specific requirements of this Specification and the Water Service Specification (WS-Spec), or the Water

Supply Code of Australia (WSA – 03), the specific requirements of this specification shall take precedence.

## 5. Witness and Hold Points

The hold points and witness points shall include the following, but not limited to:

-

- H refers to a hold point.  
W refers to a witness point.

As follows: -

Activity requiring Inspection & Test Plan	Stage of Work Requiring Inspection or Test	H or W point (for attendance by Principal)
<b>Pre-Construction</b>		
Contractor's management Plans	Milestone 1	H
Dilapidation Report	Milestone 1	H
Contractor's Design	Milestone 1	H
<b>Preparatory Work</b>		
Location of existing Services	Prior to commencement of construction	W
Pre-construction submission (Section 6 and 7)	Prior to commencement of construction	H
<b>Environmental Controls</b>		
Marking of Trees (Section 4)	Before Removal	H
Compound/stockpile areas (Section 4)	Before commencement of Construction	H
Erosion & sediment controls (Section 4)	Prior commencement of Construction	H
<b>Concrete Rehabilitation</b>		
Certificates of Compliance for Concrete relining	Prior to commencement of construction	H
Substrate Preparation and Inspection	Prior to relining	W
Concrete Relining	Prior to media replacement	W
Air nozzle inspection and replacement	Prior to media replacement	W
<b>Filter Media Replacement</b>		
Filter media removal (In layers)	Duration of activity	H
Filter media replacement (In layers)	Duration of activity	W
Disinfection/method of disposal	Duration of activity	H

## 6. Dilapidation Report

Provide a report documenting the pre-construction condition of all property which may be affected by the works, including, but not limited to:

- Structures, e.g., buildings, retaining walls, stonework etc.
- Surfaces, e.g., roads, driveways, kerb & gutter, paths/pavement, paved areas, gardens, vegetation etc.

- Fences and gates
- Compound/stockpile areas and tracks

The report should include a record of any damage and/or defects to improvements.

This record will be used in the resolution of any disputes between property owners and the Contractors or the Principal and, accordingly, should be comprehensive in its coverage of the areas which will be affected by the works.

The report should include photographic/video evidence as required.

For each photograph, identify the site Property No. and provide comments on any pre-existing defects, particularly if they are not visible in the photographs.

Provide video record in digital format.

Provide 3 copies of the report to the Principal as part of Milestone 1.

## 7. Compound/Stockpile Areas

Compound/stockpile areas will be made available as follows:

- Parking located close to the water intake pumping station

Compound/ stockpile areas shall be clearly delineated, with portable man proof fencing, locked when not in use. At all times, the Contractor shall maintain these areas in a neat and tidy state.

The Contractor will be expected to abide by any reasonable request or condition of use which may be initiated by the Principal.

All compound/ stockpile areas shall be cleaned and restored to a condition at least as good as that existing prior to the commencement of work.

## 8. Setting Out

### 8.1 General

Provide all labour, materials and other assistance that the Principal may require at any time to check the setting out of all works or to make progress measurements.

## 9. Notification to Residents (Private Property)

Not applicable.

## 10. Changeover from Existing to New Infrastructure

### 10.1.General

The order of work and the method of construction shall be such that any disruption to normal services is to be minimised as far as possible, given the nature of the work.

### 10.2.Disruption to Existing Operation

For disruption to Water treatment plant operation, provide at least five working days' notice to the Principal.

Liaise with operations team for change over and day to day operational results of the treatment plant.

### 10.3. Temporary Services

Not used.

### 10.4. Workshop

Changeover from filter no 1 to filter no 2 will be a critical part of the work. Attend a workshop/meeting, within four (4) weeks of the award, with Cootamundra Gundagai Regional Council personnel to discuss and plan the order of work to effect the changeover from filter no 1 to filter no 2 for the following aspects of the work:

1. Filter Rehabilitation and media replacement:
  - Rehabilitate the concrete surfaces in the filter no 1 followed by replacing the media
  - Rehabilitate the concrete surfaces in the filter no 2 followed by replacing the media

## 11. Road Occupancy

The contractor is to obtain all road occupancy licences as required for any work within the road reserve.

## 12. Complaints and Compliments

When a complaint is received, the Contractor shall:

- Contact the complainant within two (2) working days of receiving notification; and
- Advise the Principal in writing if the matter cannot be resolved within five (5) working days of receiving the complaint, giving reasons.

If, after five (5) working days of receiving the complaint, the complaint has not been resolved, or satisfactory reasons given as to why not, then the Principal may, without further notice to the Contractor, undertake to resolve the complaint under clause 4 of the General Conditions of Contract.

Any compliments received by the contractor shall be passed to the Principal in writing within a reasonable timeframe.

**END OF SECTION**