

Region:	Severn Trent	Catchment:	Minworth	Option:	Min - A - 165
Description:	Wastewater treatment works upgrade designed to treat 115MLD of Minworth Effluent to WFD/Bathing/Organics Standards, discharging to River Avon upstream of Warwick				
Cost Summary:	Land Costs (£):	0.00		Professional Fees (£):	Incl. in ST sheets
	Power Supply Costs (£):	0.00		Fees & Payments (£):	Incl. in ST sheets
	Base Treatment Works Construction Costs (incl. prelims) (£):			Other Identified Costs (£):	Incl. in ST sheets
	Base Conveyance PS Construction Costs (incl. prelims) (£):				
Base Parameters:	MLD:	165			

Base Construction Costs

1 Preliminaries								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
1.1	Preliminaries	Included below	1.00	item	0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

2 Temporary Works								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
2.1	Temp. C&I	n/a			0.00	0.00	0.00	0.00
2.2	Operation of Existing Plant	n/a			0.00	0.00	0.00	0.00
2.3	Temporary Treatment Plant	n/a			0.00	0.00	0.00	0.00
2.3	Temporary Over-Pumping	n/a			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

3 Ground Works								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
3.1	Excavation	Included in individual unit costs			0.00	0.00	0.00	0.00
3.2	Importation of fill	Included in individual unit costs			0.00	0.00	0.00	0.00
3.3	Disposal of materials (off site)	Included in individual unit costs			0.00	0.00	0.00	0.00
3.4	Disposal of materials (on site)	Included in individual unit costs			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

4 Treatment Level A - CoMag								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
4.1	Tanks/plinths/channels (incl. excavation)	n/a			0.00	0.00	0.00	0.00
4.2	Distribution & Collection chambers/channels	n/a			0.00	0.00	0.00	0.00
4.3	Distribution & Collection pipe/valvework	n/a			0.00	0.00	0.00	0.00
4.4	MEICA Plant	Magnetite Recovery Plant (installation/testing/comm)	1.00	item				
4.5	MEICA Associated. pipe/valvework	Magnetite Recovery Pipework - 1200m 400mmDI pipework - incl. existing to building and return and installation	1200.00	item				
4.6	Associated Building	Magnetite Recovery Building	1.00	item				
4.7	MCC		1.00	item				
4.8	Electrical Upgrade	Incl. feeders and installation	1.00	item				
Sub-Total (£)								

7 Conveyance								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
7.1	Wet well & Valve Chambers (incl. excavation)	Wet Well 40m x 20m x 5m ; Valve Chamber 40m x 20m x 5m	2.00	item				
7.2	Conveyance PS Pumps	Incl. valve/pipework and installation	1.00	item				
7.3	Conveyance PS Pumps MCC, Electrical Installation, Power Supply Upgrade & Instrumentation		1.00	item				
7.4	Associated Building	Building 40m x 10m x 5m, incl. crane/lifting equipment and surge suppression	1.00	item				
Sub-Total (£)								

8 Controls & Instrumentation								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
8.1	Control Panels and Cabling	Included in treatment units MCC costs			0.00	0.00	0.00	0.00
8.2	Electrical Installation, Instrumentation & Site Cabling	Included in treatment units MCC costs			0.00	0.00	0.00	0.00
8.3	SCADA Upgrade		1.00	item				
8.4	Trace Heating & Lagging	Included in treatment units MCC costs						
Sub-Total (£)								

9 Provision of Services								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
9.1	Watermains	New HPPE watermain from main road	150.00	m				
9.2	Service Diversions	n/a						
9.3	Site Lighting		10.00	item				
Sub-Total (£)								

10 Access Roads & Hardstanding								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
10.1	Site Roads	Concrete Road (within site only)	250.00	m				
10.2	Site Hardstanding	Concrete Hardstanding	1250.00	m2				
10.3	Site Drainage	Surface Drainage (collection pipework, manholes, gullies)	250m + 10 MH's	item				
Sub-Total (£)								

11 Landscaping & Finishes								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
11.1	Landscaping	Assumed not required, all new area to be hardstanding			0.00	0.00	0.00	0.00
11.2	Entrance Gates & Controls	Assumed not required, all work within existing boundary			0.00	0.00	0.00	0.00
11.3	Fencing	Assumed not required, all work within existing boundary			0.00	0.00	0.00	0.00
11.4	Tree Planting	Assumed not required, all new area to be hardstanding			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

12 Operation & Maintenance Period								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
12.1	Training and Commissioning	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
12.2	Operational Support Post-Commissioning	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
12.3	Maintenance Period	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
12.4	Other	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

13 Testing & Spares								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
13.1	Testing	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
13.2	Boxed Spares	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
13.3	Other	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

					Civils (£)	M&E (£)	C&I (£)	Total Value (£)
Treatment Works Base Construction Cost Totals (£)								
Treatment Works Base Construction Cost Totals - Incl. Preliminaries (£)								
Conveyance PS Base Construction Cost Totals (£)								
Conveyance PS Base Construction Cost Totals - Incl. Preliminaries (£)								

Land Costs								
Ref	Element	Description	Quantity	Units	Zoning	Rate	Total Cost	
LC1	Extension to Existing WwTW Site	Based on outline design, not required	0.00	acres			0.00	
LC2	Wayleaves & Easements	Included in cost summary tool	0.00	acres			0.00	
Land Cost Total (£)							0.00	

Power Supply Costs								
Ref	Element	Description	Source	Reqd. (kVA)	Cable (m)	Substation	Design Cost (£)	Total Cost (£)
PS1	Supply for WwTW Site	Included in individual treatment and PS sections	MEA	0.0	0.00	No	0.00	0.00
Power Supply Cost Total (£)							0.00	0.00

Region:	Severn Trent	Catchment:	Minworth	Option:	Min - B - 165
Description:	Wastewater treatment works upgrade designed to treat 115MLD of Minworth Effluent to WFD/Bathing/Organics Standards, discharging to River Avon upstream of Warwick				
Cost Summary:	Land Costs (£):			Professional Fees (£):	Incl. in ST sheets
	Power Supply Costs (£):			Fees & Payments (£):	Incl. in ST sheets
	Base Treatment Works Construction Costs (incl. prelims) (£):			Other Identified Costs (£):	Incl. in ST sheets
	Base Conveyance PS Construction Costs (incl. prelims) (£):				
Base Parameters:	MLD:	165			

Base Construction Costs

1 Preliminaries								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
1.1	Preliminaries	Included below	1.00	item	0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

2 Temporary Works								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
2.1	Temp. C&I	n/a			0.00	0.00	0.00	0.00
2.2	Operation of Existing Plant	n/a			0.00	0.00	0.00	0.00
2.3	Temporary Treatment Plant	n/a			0.00	0.00	0.00	0.00
2.3	Temporary Over-Pumping	n/a			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

3 Ground Works								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
3.1	Excavation	Included in individual unit costs			0.00	0.00	0.00	0.00
3.2	Importation of fill	Included in individual unit costs			0.00	0.00	0.00	0.00
3.3	Disposal of materials (off site)	Included in individual unit costs			0.00	0.00	0.00	0.00
3.4	Disposal of materials (on site)	Included in individual unit costs			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

4 Treatment Level A - CoMag								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
4.1	Tanks/plinths/channels (incl. excavation)	n/a			0.00	0.00	0.00	0.00
4.2	Distribution & Collection chambers/channels	n/a			0.00	0.00	0.00	0.00
4.3	Distribution & Collection pipe/valvework	n/a			0.00	0.00	0.00	0.00
4.4	MEICA Plant	Magnetite Recovery Plant (installation/testing/comm)	1.00	item				
4.5	MEICA Associated. pipe/valvework	Magnetite Recovery Pipework - 1200m 400mmDI pipework - incl. existing to building and return and installation	1200.00	item				
4.6	Associated Building	Magnetite Recovery Building	1.00	item				
4.7	MCC		1.00	item				
4.8	Electrical Upgrade	Incl. feeders and installation	1.00	item				
Sub-Total (£)								

5 Treatment Level B - UV Disinfection								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
5.1	Tanks/plinths/channels (incl. excavation)	UV Channel - 15m x 2.5m x 2.5m	1.00	item				
5.2	Distribution & Collection chambers/channels	Inlet & Outlet Chambers 10m x 5m x 5m	2.00	item				
5.3	Distribution & Collection pipe/valvework	Inlet and outlet pipework, isolation/bypass valves/actuators	1.00	item				
5.4	MEICA Plant	UV Lamp M&E Installation & Commissioning	1.00	item				
5.5	MEICA Associated. pipe/valvework	UV Pipework - 250m 1050mmDI pipework - incl. existing to UV and return to conveyance PS	250.00	item				
5.6	Associated Building	Kiosk	1.00	item				
5.7	MCC		1.00	item				
5.8	Electrical Upgrade	Incl. feeders and installation	1.00	item				
Sub-Total (£)								

7 Conveyance								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
7.1	Wet well & Valve Chambers (incl. excavation)	Wet Well 40m x 20m x 5m ; Valve Chamber 40m x 20m x 5m	2.00	item				

7.2	Conveyance PS Pumps	Incl. valve/pipework and installation	1.00	item	
7.3	Conveyance PS Pumps MCC, Electrical Installation, Power Supply Upgrade & Instrumentation		1.00	item	
7.4	Associated Building	Building 40m x 10m x 5m, incl. crane/lifting equipment and surge suppression	1.00	item	
Sub-Total (£)					

8 Controls & Instrumentation								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
8.1	Control Panels and Cabling	Included in treatment units MCC costs			0.00	0.00	0.00	0.00
8.2	Electrical Installation, Instrumentation & Site Cabling	Included in treatment units MCC costs			0.00	0.00	0.00	0.00
8.3	SCADA Upgrade		1.00	item				
8.4	Trace Heating & Lagging	Included in treatment units MCC costs						
Sub-Total (£)								

9 Provision of Services								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
9.1	Watermains	New HPPE watermain from main road	250.00	m				
9.2	Service Diversions	n/a						
9.3	Site Lighting		20.00	item				
Sub-Total (£)								

10 Access Roads & Hardstanding								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
10.1	Site Roads	Concrete Road (within site only)	350.00	m				
10.2	Site Hardstanding	Concrete Hardstanding	2250.00	m2				
10.3	Site Drainage	Surface Drainage (collection pipework, manholes, gullies)	350m + 15 MH's	item				
Sub-Total (£)								

11 Landscaping & Finishes								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
11.1	Landscaping	Assumed not required, all new area to be hardstanding			0.00	0.00	0.00	0.00
11.2	Entrance Gates & Controls	Assumed not required, all work within existing boundary			0.00	0.00	0.00	0.00
11.3	Fencing	Assumed not required, all work within existing boundary			0.00	0.00	0.00	0.00
11.4	Tree Planting	Assumed not required, all new area to be hardstanding			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

12 Operation & Maintenance Period								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
12.1	Training and Commissioning	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
12.2	Operational Support Post-Commissioning	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
12.3	Maintenance Period	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
12.4	Other	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

13 Testing & Spares								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
13.1	Testing	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
13.2	Boxed Spares	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
13.3	Other	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

					Civils (£)	M&E (£)	C&I (£)	Total Value (£)
Treatment Works Base Construction Cost Totals (£)								
Treatment Works Base Construction Cost Totals - Incl. Preliminaries (£)								
Conveyance PS Base Construction Cost Totals (£)								
Conveyance PS Base Construction Cost Totals - Incl. Preliminaries (£)								

Land Costs

Ref	Element	Description	Quantity	Units	Zoning	Rate	Total Cost	
LC1	Extension to Existing WwTW Site	Based on outline design, not required	0.00	acres			0.00	
LC2	Wayleaves & Easements	Included in cost summary tool	0.00	acres			0.00	
Land Cost Total (£)							0.00	

Power Supply Costs								
Ref	Element	Description	Source	Reqd. (kVA)	Cable (m)	Substation	Design Cost (£)	Total Cost (£)
PS1	Supply for WwTW Site	Included in individual treatment and PS sections	MEA	0.0	0.00	No	0.00	0.00
Power Supply Cost Total (£)							0.00	0.00

Region:	Severn Trent	Catchment:	Minworth	Option:	Min - C - 165
Description:	Wastewater treatment works upgrade designed to treat 115MLD of Minworth Effluent to WFD/Bathing/Organics Standards, discharging to River Avon upstream of Warwick				
Cost Summary:	Land Costs (£):	0.00	Professional Fees (£):	Incl. in ST sheets	
	Power Supply Costs (£):	0.00	Fees & Payments (£):	Incl. in ST sheets	
	Base Treatment Works Construction Costs (incl. prelims) (£):		Other Identified Costs (£):	Incl. in ST sheets	
	Base Conveyance PS Construction Costs (incl. prelims) (£):				
Base Parameters:	MLD:	165			

Base Construction Costs

1	Preliminaries							
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
1.1	Preliminaries	Included below	1.00	item	0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

2	Temporary Works							
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
2.1	Temp. C&I	n/a			0.00	0.00	0.00	0.00
2.2	Operation of Existing Plant	n/a			0.00	0.00	0.00	0.00
2.3	Temporary Treatment Plant	n/a			0.00	0.00	0.00	0.00
2.3	Temporary Over-Pumping	n/a			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

3	Ground Works							
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
3.1	Excavation	Included in individual unit costs			0.00	0.00	0.00	0.00
3.2	Importation of fill	Included in individual unit costs			0.00	0.00	0.00	0.00
3.3	Disposal of materials (off site)	Included in individual unit costs			0.00	0.00	0.00	0.00
3.4	Disposal of materials (on site)	Included in individual unit costs			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

4	Treatment Level A - CoMag							
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
4.1	Tanks/plinths/channels (incl. excavation)	n/a			0.00	0.00	0.00	0.00
4.2	Distribution & Collection chambers/channels	n/a			0.00	0.00	0.00	0.00
4.3	Distribution & Collection pipe/valvework	n/a			0.00	0.00	0.00	0.00
4.4	MEICA Plant	Magnetite Recovery Plant (installation/testing/comm)	1.00	item				
4.5	MEICA Associated. pipe/valvework	Magnetite Recovery Pipework - 1200m 400mmDI pipework - incl. existing to building and return and installation	1200.00	item				
4.6	Associated Building	Magnetite Recovery Building	1.00	item				
4.7	MCC		1.00	item				
4.8	Electrical Upgrade	Incl. feeders and installation	1.00	item				
Sub-Total (£)								

5	Treatment Level B - UV Disinfection							
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
5.1	Tanks/plinths/channels (incl. excavation)	UV Channel - 15m x 2.5m x 2.5m	1.00	item				
5.2	Distribution & Collection chambers/channels	Inlet & Outlet Chambers 10m x 5m x 5m	2.00	item				
5.3	Distribution & Collection pipe/valvework	Inlet and outlet pipework, isolation/bypass valves/actuators	1.00	item				
5.4	MEICA Plant	UV Lamp M&E Installation & Commissioning	1.00	item				
5.5	MEICA Associated. pipe/valvework	UV Pipework - 200m 1050mmDI pipework - incl. existing to UV and return to GAC interstage PS	200.00	item				
5.6	Associated Building	Kiosk	1.00	item				
5.7	MCC		1.00	item				
5.8	Electrical Upgrade	Incl. feeders and installation	1.00	item				
Sub-Total (£)								

6	Treatment Level C - GAC							
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
6.1	Interstage PS Wet well & Valve Chambers (incl. excavation)	Wet Well 15m x 10m x 5m ; Valve Chamber 10m x 5m x 5m	1.00	item				
6.2	Interstage PS Pumps	Incl. valve/pipework and installation	1.00	item				
6.3	Interstage PS Pumps MCC, Electrical Installation, Power Supply Upgrade & Instrumentation		1.00	item				

6.4	Interstage PS Associated Building	Building 40m x 10m x 5m	1.00	item					
6.5	Tanks/plinths/channels (incl. excavation)	GAC Plinths - 50m x 20m	8.00	item					
6.6	Tanks/plinths/channels (incl. excavation)	Backwash Tank - 10m x 9m x 5m	1.00	item					
6.7	Backwash PS Pumps	Incl. valve/pipework and installation	1.00	item					
6.8	Backwash PS Pumps MCC, Electrical Installation, Power Supply Upgrade & Instrumentation		1.00	item					
6.9	Backwash PS Valve Chamber	Valve Chamber 10m x 5m x 5m	1.00	item					
6.10	Return PS Pumps	Incl. valve/pipework and installation	1.00	item					
6.11	Return PS Pumps MCC, Electrical Installation, Power Supply Upgrade & Instrumentation		1.00	item					
6.12	Return PS Wet well & Valve Chambers (incl. excavation)	Wet Well 10m x 5m x 5m ; Valve Chamber 10m x 5m x 5m	2.00	item					
6.13	Air Blower Plinth	Blower Plinths - 10m x 5m	1.00	item					
6.14	Air Blowers	Incl. valve/pipework and installation	1.00	item					
6.15	Air Blowers MCC, Electrical Installation & Instrumentation		1.00	item					
6.16	Distribution & Collection chambers/channels	Inlet & Outlet Chambers 10m x 5m x 5m	2.00	item					
6.17	Distribution & Collection pipe/valvework	Inlet, outlet, backwash and air blower pipework - 8800m of 200mm DI pipework	8800.00	m					
6.18	MEICA Plant	40 no. GAC Units	1.00	item					
6.19	MEICA Associated. pipe/valvework	GAC Outlet Pipework - 50m 1050mmDI pipework - incl. GAC outlet chamber to conveyance PS	50.00	item					
6.20	Associated Building	Building 40m x 10m x 5m	1.00	item					
Sub-Total (£)									
7 Conveyance									
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)	
7.1	Wet well & Valve Chambers (incl. excavation)	Wet Well 40m x 20m x 5m ; Valve Chamber 40m x 20m x 5m	2.00	item					
7.2	Conveyance PS Pumps	Incl. valve/pipework and installation	1.00	item					
7.3	Conveyance PS Pumps MCC, Electrical Installation, Power Supply Upgrade & Instrumentation		1.00	item					
7.4	Associated Building	Building 40m x 10m x 5m, incl. crane/lifting equipment and surge suppression	1.00	item					
Sub-Total (£)									
8 Controls & Instrumentation									
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)	
8.1	Control Panels and Cabling	Included in treatment units MCC costs							
8.2	Electrical Installation, Instrumentation & Site Cabling	Included in treatment units MCC costs							
8.3	SCADA Upgrade		1.00	item					
8.4	Trace Heating & Lagging	Included in treatment units MCC costs							
Sub-Total (£)									
9 Provision of Services									
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)	
9.1	Watermains	New HPPE watermain from main road	550.00	m					
9.2	Service Diversions	n/a							
9.3	Site Lighting		40.00	item					
Sub-Total (£)									
10 Access Roads & Hardstanding									
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)	
10.1	Site Roads	Concrete Road (within site only)	950.00	m					
10.2	Site Hardstanding	Concrete Hardstanding	11250.00	m2					
10.3	Site Drainage	Surface Drainage (collection pipework, manholes, gullies)	1750m + 77 MH's	item					
Sub-Total (£)									
11 Landscaping & Finishes									
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)	
11.1	Landscaping	Assumed not required, all new area to be hardstanding			0.00	0.00	0.00	0.00	
11.2	Entrance Gates & Controls	Assumed not required, all work within existing boundary			0.00	0.00	0.00	0.00	
11.3	Fencing	Assumed not required, all work within existing boundary			0.00	0.00	0.00	0.00	
11.4	Tree Planting	Assumed not required, all new area to be hardstanding			0.00	0.00	0.00	0.00	
Sub-Total (£)					0.00	0.00	0.00	0.00	
12 Operation & Maintenance Period									
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)	
12.1	Training and Commissioning	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00	
12.2	Operational Support Post-Commissioning	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00	
12.3	Maintenance Period	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00	

12.4	Other	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

13 Testing & Spares								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
13.1	Testing	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
13.2	Boxed Spares	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
13.3	Other	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

					Civils (£)	M&E (£)	C&I (£)	Total Value (£)
Treatment Works Base Construction Cost Totals (£)								
Treatment Works Base Construction Cost Totals - Incl. Preliminaries (£)								
Conveyance PS Base Construction Cost Totals (£)								
Conveyance PS Base Construction Cost Totals - Incl. Preliminaries (£)								

Land Costs

Ref	Element	Description	Quantity	Units	Zoning	Rate	Total Cost	
LC1	Extension to Existing WwTW Site	Based on outline design, not required	0.00	acres			0.00	
LC2	Wayleaves & Easements	Included in cost summary tool	0.00	acres			0.00	
Land Cost Total (£)							0.00	

Power Supply Costs

Ref	Element	Description	Source	Reqd. (kVA)	Cable (m)	Substation	Design Cost (£)	Total Cost (£)
PS1	Supply for WwTW Site	Included in individual treatment and PS sections	MEA	0.0	0.00	No	0.00	0.00
Power Supply Cost Total (£)							0.00	0.00

Region:	Severn Trent	Catchment:	Minworth	Option:	Min - A -215
Description:	Wastewater treatment works upgrade designed to treat 115MLD of Minworth Effluent to WFD/Bathing/Organics Standards, discharging to River Avon upstream of Warwick				
Cost Summary:	Land Costs (£):	0.00		Professional Fees (£):	Incl. in ST sheets
	Power Supply Costs (£):	0.00		Fees & Payments (£):	Incl. in ST sheets
	Base Treatment Works Construction Costs (incl. prelims) (£):			Other Identified Costs (£):	Incl. in ST sheets
	Base Conveyance PS Construction Costs (incl. prelims) (£):				
Base Parameters:	MLD:	215			

Base Construction Costs

1 Preliminaries								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
1.1	Preliminaries	Included below	1.00	item	0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

2 Temporary Works								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
2.1	Temp. C&I	n/a			0.00	0.00	0.00	0.00
2.2	Operation of Existing Plant	n/a			0.00	0.00	0.00	0.00
2.3	Temporary Treatment Plant	n/a			0.00	0.00	0.00	0.00
2.3	Temporary Over-Pumping	n/a			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

3 Ground Works								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
3.1	Excavation	Included in individual unit costs			0.00	0.00	0.00	0.00
3.2	Importation of fill	Included in individual unit costs			0.00	0.00	0.00	0.00
3.3	Disposal of materials (off site)	Included in individual unit costs			0.00	0.00	0.00	0.00
3.4	Disposal of materials (on site)	Included in individual unit costs			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

4 Treatment Level A - CoMag								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
4.1	Tanks/plinths/channels (incl. excavation)	n/a						
4.2	Distribution & Collection chambers/channels	n/a						
4.3	Distribution & Collection pipe/valvework	n/a						
4.4	MEICA Plant	Magnetite Recovery Plant (installation/testing/comm)	1.00	item				
4.5	MEICA Associated. pipe/valvework	Magnetite Recovery Pipework - 1200m 450mmDI pipework - incl. existing to building and return and installation	1200.00	item				
4.6	Associated Building	Magnetite Recovery Building	1.00	item				
4.7	MCC		1.00	item				
4.8	Electrical Upgrade	Incl. feeders and installation	1.00	item				
Sub-Total (£)								

7 Conveyance								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
7.1	Wet well & Valve Chambers (incl. excavation)	Wet Well 40m x 20m x 5m ; Valve Chamber 40m x 20m x 5m	2.00	item				
7.2	Conveyance PS Pumps	Incl. valve/pipework and installation	1.00	item				
7.3	Conveyance PS Pumps MCC, Electrical Installation, Power Supply Upgrade & Instrumentation		1.00	item				
7.4	Associated Building	Building 40m x 10m x 5m, incl. crane/lifting equipment and surge suppression	1.00	item				
Sub-Total (£)								

8 Controls & Instrumentation								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
8.1	Control Panels and Cabling	Included in treatment units MCC costs						
8.2	Electrical Installation, Instrumentation & Site Cabling	Included in treatment units MCC costs						
8.3	SCADA Upgrade		1.00	item				
8.4	Trace Heating & Lagging	Included in treatment units MCC costs						
Sub-Total (£)								

9 Provision of Services								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
9.1	Watermains	New HPPE watermain from main road	150.00	m				
9.2	Service Diversions	n/a						
9.3	Site Lighting		10.00	item				
Sub-Total (£)								

10 Access Roads & Hardstanding								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
10.1	Site Roads	Concrete Road (within site only)	250.00	m				
10.2	Site Hardstanding	Concrete Hardstanding	1250.00	m2				
10.3	Site Drainage	Surface Drainage (collection pipework, manholes, gullies)	250m + 10 MH's	item				
Sub-Total (£)								

11 Landscaping & Finishes								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
11.1	Landscaping	Assumed not required, all new area to be hardstanding			0.00	0.00	0.00	0.00
11.2	Entrance Gates & Controls	Assumed not required, all work within existing boundary			0.00	0.00	0.00	0.00
11.3	Fencing	Assumed not required, all work within existing boundary			0.00	0.00	0.00	0.00
11.4	Tree Planting	Assumed not required, all new area to be hardstanding			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

12 Operation & Maintenance Period								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
12.1	Training and Commissioning	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
12.2	Operational Support Post-Commissioning	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
12.3	Maintenance Period	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
12.4	Other	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

13 Testing & Spares								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
13.1	Testing	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
13.2	Boxed Spares	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
13.3	Other	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

					Civils (£)	M&E (£)	C&I (£)	Total Value (£)
Treatment Works Base Construction Cost Totals (£)								
Treatment Works Base Construction Cost Totals - Incl. Preliminaries (£)								
Conveyance PS Base Construction Cost Totals (£)								
Conveyance PS Base Construction Cost Totals - Incl. Preliminaries (£)								

Land Costs								
Ref	Element	Description	Quantity	Units	Zoning	Rate	Total Cost	
LC1	Extension to Existing WwTW Site	Based on outline design, not required	0.00	acres			0.00	
LC2	Wayleaves & Easements	Included in cost summary tool	0.00	acres			0.00	
Land Cost Total (£)							0.00	

Power Supply Costs								
Ref	Element	Description	Source	Reqd. (kVA)	Cable (m)	Substation	Design Cost (£)	Total Cost (£)
PS1	Supply for WwTW Site	Included in individual treatment and PS sections	MEA	0.0	0.00	No	0.00	0.00
Power Supply Cost Total (£)							0.00	0.00

Region:	Severn Trent	Catchment:	Minworth	Option:	Min - B - 215
Description:	Wastewater treatment works upgrade designed to treat 115MLD of Minworth Effluent to WFD/Bathing/Organics Standards, discharging to River Avon upstream of Warwick				
Cost Summary:	Land Costs (£):	0.00	Professional Fees (£):	Incl. in ST sheets	
	Power Supply Costs (£):	0.00	Fees & Payments (£):	Incl. in ST sheets	
	Base Treatment Works Construction Costs (incl. prelims) (£):		Other Identified Costs (£):	Incl. in ST sheets	
	Base Conveyance PS Construction Costs (incl. prelims) (£):				
Base Parameters:	MLD:	215			

Base Construction Costs

1 Preliminaries								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
1.1	Preliminaries	Included below	1.00	item	0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

2 Temporary Works								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
2.1	Temp. C&I	n/a			0.00	0.00	0.00	0.00
2.2	Operation of Existing Plant	n/a			0.00	0.00	0.00	0.00
2.3	Temporary Treatment Plant	n/a			0.00	0.00	0.00	0.00
2.3	Temporary Over-Pumping	n/a			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

3 Ground Works								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
3.1	Excavation	Included in individual unit costs			0.00	0.00	0.00	0.00
3.2	Importation of fill	Included in individual unit costs			0.00	0.00	0.00	0.00
3.3	Disposal of materials (off site)	Included in individual unit costs			0.00	0.00	0.00	0.00
3.4	Disposal of materials (on site)	Included in individual unit costs			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

4 Treatment Level A - CoMag								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
4.1	Tanks/plinths/channels (incl. excavation)	n/a						
4.2	Distribution & Collection chambers/channels	n/a						
4.3	Distribution & Collection pipe/valvework	n/a						
4.4	MEICA Plant	Magnetite Recovery Plant (installation/testing/comm)	1.00	item				
4.5	MEICA Associated. pipe/valvework	Magnetite Recovery Pipework - 1200m 450mmDI pipework - incl. existing to building and return and installation	1200.00	item				
4.6	Associated Building	Magnetite Recovery Building	1.00	item				
4.7	MCC		1.00	item				
4.8	Electrical Upgrade	Incl. feeders and installation	1.00	item				
Sub-Total (£)								

5 Treatment Level B - UV Disinfection								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
5.1	Tanks/plinths/channels (incl. excavation)	UV Channel - 15m x 2.5m x 2.5m	1.00	item				
5.2	Distribution & Collection chambers/channels	Inlet & Outlet Chambers 10m x 5m x 5m	2.00	item				
5.3	Distribution & Collection pipe/valvework	Inlet and outlet pipework, isolation/bypass valves/actuators	1.00	item				
5.4	MEICA Plant	UV Lamp M&E Installation & Commissioning	1.00	item				
5.5	MEICA Associated. pipe/valvework	UV Pipework - 250m 1200mmDI pipework - incl. existing to UV and return to conveyance PS	250.00	item				
5.6	Associated Building	Kiosk	1.00	item				
5.7	MCC		1.00	item				
5.8	Electrical Upgrade	Incl. feeders and installation	1.00	item				
Sub-Total (£)								

7 Conveyance								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
7.1	Wet well & Valve Chambers (incl. excavation)	Wet Well 40m x 20m x 5m ; Valve Chamber 40m x 20m x 5m	2.00	item				

7.2	Conveyance PS Pumps	Incl. valve/pipework and installation	1.00	item	
7.3	Conveyance PS Pumps MCC, Electrical Installation, Power Supply Upgrade & Instrumentation		1.00	item	
7.4	Associated Building	Building 40m x 10m x 5m, incl. crane/lifting equipment and surge suppression	1.00	item	
Sub-Total (£)					

8 Controls & Instrumentation								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
8.1	Control Panels and Cabling	Included in treatment units MCC costs			0.00	0.00	0.00	0.00
8.2	Electrical Installation, Instrumentation & Site Cabling	Included in treatment units MCC costs			0.00	0.00	0.00	0.00
8.3	SCADA Upgrade		1.00	item				
8.4	Trace Heating & Lagging	Included in treatment units MCC costs						
Sub-Total (£)								

9 Provision of Services								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
9.1	Watermains	New HPPE watermain from main road	250.00	m				
9.2	Service Diversions	n/a						
9.3	Site Lighting		20.00	item				
Sub-Total (£)								

10 Access Roads & Hardstanding								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
10.1	Site Roads	Concrete Road (within site only)	350.00	m				
10.2	Site Hardstanding	Concrete Hardstanding	2250.00	m2				
10.3	Site Drainage	Surface Drainage (collection pipework, manholes, gullies)	350m + 15 MH's	item				
Sub-Total (£)								

11 Landscaping & Finishes								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
11.1	Landscaping	Assumed not required, all new area to be hardstanding			0.00	0.00	0.00	0.00
11.2	Entrance Gates & Controls	Assumed not required, all work within existing boundary			0.00	0.00	0.00	0.00
11.3	Fencing	Assumed not required, all work within existing boundary			0.00	0.00	0.00	0.00
11.4	Tree Planting	Assumed not required, all new area to be hardstanding			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

12 Operation & Maintenance Period								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
12.1	Training and Commissioning	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
12.2	Operational Support Post-Commissioning	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
12.3	Maintenance Period	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
12.4	Other	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

13 Testing & Spares								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
13.1	Testing	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
13.2	Boxed Spares	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
13.3	Other	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

					Civils (£)	M&E (£)	C&I (£)	Total Value (£)
Treatment Works Base Construction Cost Totals (£)								
Treatment Works Base Construction Cost Totals - Incl. Preliminaries (£)								
Conveyance PS Base Construction Cost Totals (£)								
Conveyance PS Base Construction Cost Totals - Incl. Preliminaries (£)								

Land Costs								
Ref	Element	Description	Quantity	Units	Zoning	Rate	Total Cost	
LC1	Extension to Existing WwTW Site	Based on outline design, not required	0.00	acres			0.00	
LC2	Wayleaves & Easements	Included in cost summary tool	0.00	acres			0.00	
Land Cost Total (£)							0.00	

Power Supply Costs

Ref	Element	Description	Source	Reqd. (kVA)	Cable (m)	Substation	Design Cost (£)	Total Cost (£)
PS1	Supply for WwTW Site	Included in individual treatment and PS sections	MEA	0.0	0.00	No	0.00	0.00
Power Supply Cost Total (£)							0.00	0.00

Region:	Severn Trent	Catchment:	Minworth	Option:	Min - C - 215
Description:	Wastewater treatment works upgrade designed to treat 115MLD of Minworth Effluent to WFD/Bathing/Organics Standards, discharging to River Avon upstream of Warwick				
Cost Summary:	Land Costs (£):	0.00		Professional Fees (£):	Incl. in ST sheets
	Power Supply Costs (£):	0.00		Fees & Payments (£):	Incl. in ST sheets
	Base Treatment Works Construction Costs (incl. prelims) (£):			Other Identified Costs (£):	Incl. in ST sheets
	Base Conveyance PS Construction Costs (incl. prelims) (£):				
Base Parameters:	MLD:	215			

Base Construction Costs

1	Preliminaries							
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
1.1	Preliminaries	Included below	1.00	item	0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

2	Temporary Works							
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
2.1	Temp. C&I	n/a			0.00	0.00	0.00	0.00
2.2	Operation of Existing Plant	n/a			0.00	0.00	0.00	0.00
2.3	Temporary Treatment Plant	n/a			0.00	0.00	0.00	0.00
2.3	Temporary Over-Pumping	n/a			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

3	Ground Works							
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
3.1	Excavation	Included in individual unit costs			0.00	0.00	0.00	0.00
3.2	Importation of fill	Included in individual unit costs			0.00	0.00	0.00	0.00
3.3	Disposal of materials (off site)	Included in individual unit costs			0.00	0.00	0.00	0.00
3.4	Disposal of materials (on site)	Included in individual unit costs			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

4	Treatment Level A - CoMag							
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
4.1	Tanks/plinths/channels (incl. excavation)	n/a						
4.2	Distribution & Collection chambers/channels	n/a						
4.3	Distribution & Collection pipe/valvework	n/a						
4.4	MEICA Plant	Magnetite Recovery Plant (installation/testing/comm)	1.00	item				
4.5	MEICA Associated. pipe/valvework	Magnetite Recovery Pipework - 1200m 450mmDI pipework - incl. existing to building and return and installation	1200.00	item				
4.6	Associated Building	Magnetite Recovery Building	1.00	item				
4.7	MCC		1.00	item				
4.8	Electrical Upgrade	Incl. feeders and installation	1.00	item				
Sub-Total (£)								

5	Treatment Level B - UV Disinfection							
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
5.1	Tanks/plinths/channels (incl. excavation)	UV Channel - 15m x 2.5m x 2.5m	1.00	item				
5.2	Distribution & Collection chambers/channels	Inlet & Outlet Chambers 10m x 5m x 5m	2.00	item				
5.3	Distribution & Collection pipe/valvework	Inlet and outlet pipework, isolation/bypass valves/actuators	1.00	item				
5.4	MEICA Plant	UV Lamp M&E Installation & Commissioning	1.00	item				
5.5	MEICA Associated. pipe/valvework	UV Pipework - 200m 1200mmDI pipework - incl. existing to UV and return to GAC interstage PS	200.00	item				
5.6	Associated Building	Kiosk	1.00	item				
5.7	MCC		1.00	item				
5.8	Electrical Upgrade	Incl. feeders and installation	1.00	item				
Sub-Total (£)								

6	Treatment Level C - GAC							
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
6.1	Interstage PS Wet well & Valve Chambers (incl. excavation)	Wet Well 15m x 10m x 5m ; Valve Chamber 10m x 5m x 5m	1.00	item				
6.2	Interstage PS Pumps	Incl. valve/pipework and installation	1.00	item				
6.3	Interstage PS Pumps MCC, Electrical Installation, Power Supply Upgrade & Instrumentation		1.00	item				

6.4	Interstage PS Associated Building	Building 40m x 10m x 5m	1.00	item	
6.5	Tanks/plinths/channels (incl. excavation)	GAC Plinths - 50m x 20m	11.00	item	
6.6	Tanks/plinths/channels (incl. excavation)	Backwash Tank - 10m x 9m x 5m	1.00	item	
6.7	Backwash PS Pumps	Incl. valve/pipework and installation	1.00	item	
6.8	Backwash PS Pumps MCC, Electrical Installation, Power Supply Upgrade & Instrumentation		1.00	item	
6.9	Backwash PS Valve Chamber	Valve Chamber 10m x 5m x 5m	1.00	item	
6.10	Return PS Pumps	Incl. valve/pipework and installation	1.00	item	
6.11	Return PS Pumps MCC, Electrical Installation, Power Supply Upgrade & Instrumentation		1.00	item	
6.12	Return PS Wet well & Valve Chambers (incl. excavation)	Wet Well 10m x 5m x 5m ; Valve Chamber 10m x 5m x 5m	2.00	item	
6.13	Air Blower Plinth	Blower Plinths - 10m x 5m	1.00	item	
6.14	Air Blowers	Incl. valve/pipework and installation	1.00	item	
6.15	Air Blowers MCC, Electrical Installation & Instrumentation		1.00	item	
6.16	Distribution & Collection chambers/channels	Inlet & Outlet Chambers 10m x 5m x 5m	2.00	item	
6.17	Distribution & Collection pipe/valvework	Inlet, outlet, backwash and air blower pipework - 12000m of 200mm DI pipework	12000.00	m	
6.18	MEICA Plant	52 no. GAC Units	1.00	item	
6.19	MEICA Associated pipe/valvework	GAC Outlet Pipework - 50m 1200mmDI pipework - incl. GAC outlet chamber to conveyance PS	50.00	item	
6.20	Associated Building	Building 40m x 10m x 5m	1.00	item	
Sub-Total (£)					

7 Conveyance								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
7.1	Wet well & Valve Chambers (incl. excavation)	Wet Well 40m x 20m x 5m ; Valve Chamber 40m x 20m x 5m	2.00	item				
7.2	Conveyance PS Pumps	Incl. valve/pipework and installation	1.00	item				
7.3	Conveyance PS Pumps MCC, Electrical Installation, Power Supply Upgrade & Instrumentation		1.00	item				
7.4	Associated Building	Building 40m x 10m x 5m, incl. cranelifting equipment and surge suppression	1.00	item				
Sub-Total (£)								

8 Controls & Instrumentation								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
8.1	Control Panels and Cabling	Included in treatment units MCC costs			0.00	0.00	0.00	0.00
8.2	Electrical Installation, Instrumentation & Site Cabling	Included in treatment units MCC costs			0.00	0.00	0.00	0.00
8.3	SCADA Upgrade		1.00	item				
8.4	Trace Heating & Lagging	Included in treatment units MCC costs						
Sub-Total (£)								

9 Provision of Services								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
9.1	Watermains	New HPPE watermain from main road	700.00	m				
9.2	Service Diversions	n/a						
9.3	Site Lighting		55.00	item				
Sub-Total (£)								

10 Access Roads & Hardstanding								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
10.1	Site Roads	Concrete Road (within site only)	1300.00	m				
10.2	Site Hardstanding	Concrete Hardstanding	14250.00	m2				
10.3	Site Drainage	Surface Drainage (collection pipework, manholes, gullies)	2150 + 89 MH's	item				
Sub-Total (£)								

11 Landscaping & Finishes								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
11.1	Landscaping	Assumed not required, all new area to be hardstanding			0.00	0.00	0.00	0.00
11.2	Entrance Gates & Controls	Assumed not required, all work within existing boundary			0.00	0.00	0.00	0.00
11.3	Fencing	Assumed not required, all work within existing boundary			0.00	0.00	0.00	0.00
11.4	Tree Planting	Assumed not required, all new area to be hardstanding			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

12 Operation & Maintenance Period								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
12.1	Training and Commissioning	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
12.2	Operational Support Post-Commissioning	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
12.3	Maintenance Period	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00

12.4	Other	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

13 Testing & Spares								
Ref	Element	Details	Quantity	Units	Civils (£)	M&E (£)	C&I (£)	Total Value (£)
13.1	Testing	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
13.2	Boxed Spares	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
13.3	Other	Included in Treatment Unit Costs			0.00	0.00	0.00	0.00
Sub-Total (£)					0.00	0.00	0.00	0.00

					Civils (£)	M&E (£)	C&I (£)	Total Value (£)
Treatment Works Base Construction Cost Totals (£)								
Treatment Works Base Construction Cost Totals - Incl. Preliminaries (£)								
Conveyance PS Base Construction Cost Totals (£)								
Conveyance PS Base Construction Cost Totals - Incl. Preliminaries (£)								

Land Costs

Ref	Element	Description	Quantity	Units	Zoning	Rate	Total Cost	
LC1	Extension to Existing WwTW Site	Based on outline design, not required	0.00	acres			0.00	
LC2	Wayleaves & Easements	Included in cost summary tool	0.00	acres			0.00	
Land Cost Total (£)							0.00	

Power Supply Costs

Ref	Element	Description	Source	Reqd. (kVA)	Cable (m)	Substation	Design Cost (£)	Total Cost (£)
PS1	Supply for WwTW Site	Included in individual treatment and PS sections	MEA	0.0	0.00	No	0.00	0.00
Power Supply Cost Total (£)							0.00	0.00