EDITION 1

Table J1 Lines 1-6 Mains Laying

STANDARD COST ASSUMPTIONS	Include in Standard	Authority audit	
	Cost		
LABOUR AND PLANT			
Crossings of all types	✓	✓	Included in rates at stated frequencies
Reinstatement costs (temporary and permanent)	✓	√	First time permanent reinstatement
Granular fill in trench (Surface type categories 'b' & 'c' only)	✓	✓	Included
Disposal of excavated material to landfill tip 1km away		~	Not specified. Distance at the discretion of the contractors who are accepted as having selected the most cost efficient disposal sites.
Excavation	✓	✓	Included
As dug backfill (Surface type categories 'a' only)	✓	✓	Included
Pipe bedding and surround	✓	✓	Included
Minor service diversions	✓	Χ	Excluded
Traffic management (Surface type categories 'b' & 'c' only)	✓	✓	Included
NRSWA costs	·	✓	Included in SW management costs
Advance costs – land	✓	√	Included in SW management costs
Advance costs – wayleaves	·	✓	Included in SW management costs
Landfill tax (Non contaminated material only)	✓	✓	Included
Uncharted services \ other underground obstructions	X	Х	Excluded
Connections to trunk mains	X	X	Excluded
Proving and testing	✓	✓	Included
Temporary fencing (Surface type category 'a' only)	✓	✓	Included
Land drains (Surface type category 'a' only)	X	X	Excluded
Re-connection of services	X	X	Excluded
Fittings & fixtures (in accordance with Table 3)	✓	✓	Included

MANAGEMENT COSTS			
Project planning	✓	✓	Included
Project design and supervision \ Project management	✓	✓	Included
Project quality audit	✓	✓	Included
Contractual claims	√	√	Included in Outturn Factor
Compensation	Х	X	Excluded
Stores, overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost separately in order to exclude)	Х	Х	Excluded
Commissioning	✓	✓	Included
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	√	√	Included as a percentage
Contingencies (same as normal levels assumed in authorities' investment projections)	√	√	Included in Outturn Factor
or general adjustment	✓	Х	Excluded.
Public meetings	Х	Х	Excluded
Customer communication	Х	Х	Excluded
Special inducements	Х	Х	Excluded
Effect of seasonal working	Х	Х	Excluded
Effect of limited working hours	Х	Х	Excluded

Table J1 Lines 7-12 Mains Rehabilitation

STANDARD COST ASSUMPTIONS	Include in Standard	Authority audit	
	Cost		
LABOUR AND PLANT			
Crossings of all types	√	Х	Excluded. Not required for pipe bursting
Reinstatement costs (to match the existing surface)	✓	✓	Included
Excavation and backfill	✓	✓	Included
Disposal of excavated material to landfill tip 1km away	✓	✓	Included
Traffic management	✓	✓	Included
NRSWA costs	~	Х	Included in SW management costs
Advance costs – wayleaves	~	√	Included in SW management costs
Landfill tax (Non contaminated material only)	✓	✓	Included
Connections to trunk mains (temporary and permanent)	✓	✓	Included
Proving and testing	✓	✓	Included
Re-connection of services	Х	Х	Excluded
Fittings & fixtures (in accordance with Table 3)	✓	✓	Included
Protective sleeve (in pipe bursting)	Х	Х	Excluded
MANAGEMENT COSTS			
Project planning	✓	✓	Included
Project design and supervision \ Project management	✓	✓	Included
Project quality audit	✓	✓	Included
Contractual claims	✓	✓	Included in Outturn Factor
Compensation	X	Х	Excluded
Stores, overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost separately in order to exclude)	x	Х	Excluded
Commissioning	✓	✓	Included
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	√	✓	Included as a percentage
Contingencies (same as normal levels assumed in authorities' investment projections)	√	✓	Included in Outturn Factor
or general adjustment	✓	Х	Excluded.
Public meetings	Х	Х	Excluded
Customer communication	Х	Х	Excluded

MANAGEMENT COSTS (Cont'd)			
Special inducements	Х	Х	Excluded
Effect of seasonal working	Х	Х	Excluded
Effect of limited working hours	Х	Х	Excluded

Table J1 Lines 13-14 Communication Pipes

STANDARD COST ASSUMPTIONS	Include in Standard Cost	Authority audit	
LABOUR AND PLANT			
Crossings of all types	✓	✓	Included
Reinstatement costs (renew only - to match the existing surface)	✓	✓	Included
Excavation and backfill	✓	✓	Included
Disposal of excavated material to landfill tip 1km away (renew only)	√	√	Not specified. Distance at the discretion of the contractors who are accepted as having selected the most cost efficient disposal sites.
Traffic management (renew only)	✓	✓	Included
NRSWA costs (renew only)	✓	✓	Included in SW management costs
Landfill tax (Non contaminated material only)	✓	✓	Included
Connections to trunk mains (temporary and permanent)	х	х	Excluded
Boundary box	✓	✓	Included
Water sampling	х	Х	Excluded
Re-connection of services	✓	✓	Included
Fittings & fixtures (ferrule and stop tap)	√	√	Included for ferrule; stop taps only used on communal service pipes.
MANAGEMENT COSTS			
Project planning	✓	✓	Included
Project design and supervision \ Project management	✓	✓	Included
Project quality audit	✓	✓	Included
Contractual claims	✓	✓	Included in Outturn Factor
Compensation	х	Х	Excluded
Stores, overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost separately in order to exclude)	х	Х	Excluded
Commissioning	✓	✓	Included
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	✓	✓	Included as a percentage
Contingencies (same as normal levels assumed in authorities' investment projections)	✓	✓	Included in Outturn Factor
or general adjustment	√	Х	Excluded. Tender/outturn margin and Contingencies priced separately.
Public meetings	Х	Х	Excluded
Customer communication	Х	Х	Excluded
Special inducements	Х	Х	Excluded
Effect of seasonal working	Х	Х	Excluded
Effect of limited working hours	х	Х	Excluded

STANDARD COST ASSUMPTIONS	Include in Standard	Authority audit	
	Cost		
LABOUR AND PLANT			
Crossings of all types	*	✓	Included in rates at stated frequencies
Reinstatement costs (temporary and permanent)	✓	✓	Included
Granular fill in trench (Surface type categories 'b' & 'c' only)	✓	✓	Included
Disposal of excavated material to landfill tip 1km away	~	~	Not specified. Distance at the discretion of the contractors who are accepted as having selected the most cost efficient disposal sites.
Excavation	✓	✓	Included
As dug backfill (Surface type category 'a' only)	✓	✓	Included
Pipe bedding and surround	✓	✓	Included
Minor service diversions	✓	✓	Excluded
Traffic management (Surface type categories 'b' & 'c' only)	✓	✓	Included
NRSWA costs	✓	✓	Included in SW
			management costs
Advance costs – land	~	✓	Included in SW management costs
Advance costs – wayleaves	·	✓	Included in SW management costs
Landfill tax (Non contaminated material only)	✓	✓	Included
Uncharted services \ other underground obstructions	X	Х	Excluded
Disconnection and re-connection of laterals	X	Х	Excluded
Proving and testing	✓	✓	Included
Temporary fencing (Surface type category 'a' only)	·	√	Included in Term Contracts and in General Items in Projects
Land drains (Surface type category 'a' only)	X	Х	Excluded
Overpumping	X	Х	Excluded
Cleaning by jetting only	✓	Х	Excluded; cleaning of new sewers is not required
CCTV inspection before and after installation	√	х	Before not possible; included after installation in MTC's only
MANAGEMENT COSTS			
Project planning	✓	✓	Included
Project design and supervision \ Project management	✓	✓	Included
Project quality audit	✓	✓	Included
Contractual claims	✓	✓	Included in Outturn Factor
Compensation	Х	Х	Excluded

MANAGEMENT COSTS (Cont'd)			
Stores, overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost	Х	Х	Excluded
separately in order to exclude)			
Commissioning	✓	✓	Included
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	✓	✓	Included as percentage
Contingencies (same as normal levels assumed in authorities' investment projections)	✓	✓	Included in Outturn Factor
or general adjustment	✓	Х	Excluded
Public meetings	Х	Х	Excluded
Customer communication	Х	Х	Excluded
Special inducements	Х	Х	Excluded
Effect of seasonal working	Х	х	Excluded
Effect of limited working hours	Х	х	Excluded

Table J3 Lines 7-12 Sewer Rehabilitation

STANDARD COST ASSUMPTIONS	Include in Standard Cost	Authority audit	
LABOUR AND PLANT			
Crossings of all types	√	X	Excluded; not applicable to this type of work
Reinstatement costs (to match the existing surface)	✓	Х	Excluded; not applicable to this type of work
Excavation and backfill	√	Х	Excluded; not applicable to this type of work
Disposal of excavated material to landfill tip 1km away	√	Х	Excluded; not applicable to this type of work
Traffic management	✓	✓	Included
NRSWA costs	✓	✓	Included in SW management costs
Advance costs – wayleaves	✓	✓	Included in SW management costs
Landfill tax (Non contaminated material only)	√	Х	Excluded; not applicable to this type of work
Proving and Testing	✓	✓	Included
Opening and remaking of lateral connections	✓	✓	Included
Laterals and manhole spacing in accordance with specification	✓	✓	Included
Protective sleeve (in pipe bursting)	х	Х	Excluded; no submission for pipe bursting
Work required at entry points	Х	Х	Excluded
Manhole Repairs	Х	Х	Excluded
Cleaning by jetting only	✓	✓	Included
CCTV inspection before and after installation	✓	✓	Included
Repair and re-rounding	Х	Х	Excluded
Overpumping	✓	✓	Included
MANAGEMENT COSTS			
Project planning	✓	✓	Included
Project design and supervision \ Project management	✓	✓	Included
Project quality audit	√	✓	Included
Contractual claims	√	✓	Included in Outturn Factor
Compensation	Х	Х	Excluded
Stores, overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost separately in order to exclude)	х	Х	Excluded
Commissioning	✓	✓	Included
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	✓	✓	Included as a percentage
Contingencies (same as normal levels assumed in authorities' investment projections)	✓	✓	Included in Outturn Factor
or general adjustment	✓	Х	Excluded
Public meetings	Х	Х	Excluded

MANAGEMENT COSTS (Cont'd)			
Customer communication	Х	Х	Excluded
Special inducements	Х	Х	Excluded
Effect of seasonal working	Х	Х	Excluded
Effect of limited working hours	Х	Х	Excluded

Used in Ofwat Submission G but not K, and is considered relevant for ScotlandTable J5 Line 1New treatment works (type SW1) 12MI/d

STANDARD COST ASSUMPTIONS	Include in Standard	Authority audit	
BBOOFOO	Cost		4
PROCESS			
Insert main stages		,	
Filtration	√	√	Included
Chlorination	√	√	Included
pH Adjustment	√	✓	Included
ELECTRICAL EQUIPMENT			-
Motor Control Centres including incomer/isolator/local distribution.	✓	✓	Included
Power, control, instrument cabling.	✓	✓	Included
Instruments (level, flow, pressure, water quality, etc)	✓	✓	Included
Control Panels (including local control PLC, works PLC, works SCADA)	✓	✓	Included
Telemetry outstation equipment	✓	✓	Included
Building Services (Lighting, power, heating, ventilation, telephones, intruder and fire alarm, and entry control and	X	Х	Excluded
surveillance).			
Standby generators and associated switchgear.	✓	✓	Included
BUILDINGS			
Administration and control building	✓	✓	Included
Building over flocculator units (if applicable)	✓	X	Not applicable
Building over flotation units (if applicable)	✓	X	Not applicable
Filter building including upper filter gallery	✓	✓	Included
Chemical storage and dosing building	✓	✓	Included
Dirty backwash water return pump building	✓	✓	Included
MANAGEMENT COSTS			
Project planning	√	√	Included
Project design and supervision \ Project management	✓	✓	Included
Project quality audit	✓	✓	Included
Contractual claims	√	√	Included in outturn factor
Compensation	X	Х	Excluded
Stores, overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost	X	Х	Excluded
separately in order to exclude) Commissioning	✓	✓	Excluded

Table J5 Line 1 (Cont'd) New treatment works (type SW1) 12MI/d (continued)

Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	V	✓	Included as a percentage
Contingencies (same as normal levels assumed in authorities' investment projections)	✓	√	Included in Outturn Factor
or general adjustment	✓	Х	Extended
Public meetings	X	Х	Excluded
Customer communication	X	Х	Excluded
Special inducements	X	Х	Excluded
Effect of seasonal working	X	Х	Excluded
Effect of limited working hours	X	Х	Excluded

Used in Ofwat Submission G but not K, and is considered relevant for ScotlandTable J5 Line 2New treatment works (type SW1) 5MI/d

STANDARD COST ASSUMPTIONS	Include in Standard Cost	Authority audit	
PROCESS			
insert main stages			7
Filtration	✓	✓	Included
Chlorination	√	✓	Included
ELECTRICAL EQUIPMENT	+		-
Motor Control Centres including incomer/isolator/local distribution.	✓	✓	Included
Power, control, instrument cabling.	✓	✓	Included
Instruments (level, flow, pressure, water quality, etc)	✓	✓	Included
Control Panels (including local control PLC, works PLC, works SCADA)	✓	✓	Included
Telemetry outstation equipment	✓	✓	Included
Building Services (Lighting, power, heating, ventilation, telephones, intruder and fire alarm, and entry control and surveillance).	X	Х	Excluded
Standby generators and associated switchgear.	✓	✓	Included
BUILDINGS			
Administration and control building	✓	✓	Included
Building over flocculator units (if applicable)	✓	Х	Not applicable
Building over flotation units (if applicable)	✓	Х	Not applicable
Filter building including upper filter gallery	✓	✓	Included
Chemical storage and dosing building	✓	✓	Included
Dirty backwash water return pump building	✓	✓	Included
MANAGEMENT COSTS			
Project planning	✓	✓	Included
Project design and supervision \ Project management	✓	✓	Included
Project quality audit	✓	✓	Included
Contractual claims	√	√	Included in Outturn Factor
Compensation	X	Х	Excluded
Stores, overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost separately in order to exclude)	Х	Х	Excluded
Commissioning	✓	✓	Included

Table J5 Line 2 (Cont'd) New treatment works (type SW1) 5MI/d (continued)

Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	√	√	Included as a percentage
Contingencies (same as normal levels assumed in authorities' investment projections)	√	√	Included in Outturn Factor
or general adjustment	✓	X	Excluded
Public meetings	X	X	Excluded
Customer communication	X	X	Excluded
Special inducements	X	X	Excluded
Effect of seasonal working	X	Х	Excluded
Effect of limited working hours	X	X	Excluded

Table J5 Line 3 New treatment works (type SW2) 30MI/d

STANDARD COST ASSUMPTIONS	Include in Standard	Authority audit	
PROCESS	Cost		-
Insert main stages			4
institution stages			-
			-
			-
			1
			1
			1
			1
ELECTRICAL EQUIPMENT			
Motor Control Centres including incomer/isolator/local distribution.	✓	✓	Included
Power, control, instrument cabling.	✓	✓	Included
Instruments (level, flow, pressure, water quality, etc)	✓	✓	Included
Control Panels (including local control PLC, works PLC, works SCADA)	✓	✓	Included
Telemetry outstation equipment	✓	✓	Included
Building Services (Lighting, power, heating, ventilation, telephones, intruder and fire alarm, and entry control and surveillance).	Х	Х	Excluded
Standby generators and associated switchgear.	✓	✓	Included
BUILDINGS			
Administration and control building	✓	✓	Included
Building over flocculator units (if applicable)	~	Х	Not applicable
Building over flotation units (if applicable)	✓	X	Not applicable
Filter building including upper filter gallery	✓	✓	Included
Chemical storage and dosing building	✓	✓	Included
Dirty backwash water return pump building	✓	√	Included
MANAGEMENT COSTS			
Project planning	✓	✓	Included
Project design and supervision \ Project management	✓	✓	Included
Project quality audit	✓	✓	Included
Contractual claims	✓	✓	Included in
			Outturn Factor
Compensation	Х	X	Excluded
Stores, overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost separately in order to exclude)	x	Х	Excluded
Commissioning	✓	✓	Included

Table J5 Line 3 (Cont'd) New treatment works (type SW2) 30Ml/d (continued)

Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	√	√	Included as a percentage
Contingencies (same as normal levels assumed in authorities' investment projections)	√	√	Included in Outturn Factor
or general adjustment	✓	X	Excluded
Public meetings	Х	X	Excluded
Customer communication	Х	X	Excluded
Special inducements	Х	X	Excluded
Effect of seasonal working	Х	Х	Excluded
Effect of limited working hours	Х	Х	Excluded

Table J5 Line 4 New filtration system at existing treatment works (type SW2) 10Ml/d A new item for a smaller sized line 5 as considered relevant to Scotland

STANDARD COST ASSUMPTIONS	Include in Standard Cost	Authority audit	
PROCESS			1
insert main stages			1
			1
			1
			1
			1
			1
			1
ELECTRICAL EQUIPMENT			1
Motor Control Centres including incomer/isolator/local distribution.	✓	✓	Included
Power, control, instrument cabling.	√	✓	Included
Instruments (level, flow, pressure, water quality, etc)	✓	✓	Included
Control Panels (including local control PLC, works PLC, works SCADA)	✓	✓	Included
Telemetry outstation equipment	✓	✓	Included
Building Services (Lighting, power, heating, ventilation, telephones, intruder and fire alarm, and entry control and	✓	Х	Excluded
surveillance).		,	2/10/0000
Standby generators and associated switchgear.	Х	✓	Included
BUILDINGS			
Filter building (pump and blower room, switchgear room) including upper filter gallery	✓	✓	Included
MANAGEMENT COSTS		Х	Not applicable
Project planning	√	X	Not applicable
Project design and supervision \ Project management	· ·		Included
Project quality audit	<i>,</i>	· ·	Included
Contractual claims	· ·	· ·	Included
Compensation	X	<u> </u>	Included
Stores, overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost	X	√	Included
separately in order to exclude)	Α	•	moladed
Commissioning	√	✓	Included
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	· ✓	√ ·	Included
Contingencies (same as normal levels assumed in authorities' investment projections)	√	√	Included in
			Outturn Factor
Public meetings	Х	Х	Excluded
Customer communication	X	X	Excluded
Special inducements	X	✓	Included
Effect of seasonal working	X	Х	Excluded
Effect of limited working hours	X	X	Excluded

Table J5 Line 5 New filtration system at existing treatment works (type SW2) 30MI/d

STANDARD COST ASSUMPTIONS	Include in Standard Cost	Authority audit	
PROCESS			
insert main stages			
ELECTRICAL EQUIPMENT			
Motor Control Centres including incomer/isolator/local distribution.	√	✓	Included
Power, control, instrument cabling.	<u> </u>	· ✓	Included
Instruments (level, flow, pressure, water quality, etc)	<u> </u>	· ✓	Included
Control Panels (including local control PLC, works PLC, works SCADA)	<u> </u>	· ·	Included
Telemetry outstation equipment	· · · · · · · · · · · · · · · · · · ·	· ✓	Included
Building Services (Lighting, power, heating, ventilation, telephones, intruder and fire alarm, and entry control and	√	X	Excluded
surveillance).		^	LXGIGGGG
Standby generators and associated switchgear.	Х	✓	Included
BUILDINGS			
Filter building (pump and blower room, switchgear room) including upper filter gallery	√	✓	Included
	•	X	Not applicable
MANAGEMENT COSTS	,		
Project planning	✓	X	Not applicable
Project design and supervision \ Project management	√	√	Included
Project quality audit	√	✓	Included
Contractual claims	√	✓	Included
Compensation	X		
Stores, overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost	Х	✓	Included
separately in order to exclude)	,	,	
Commissioning	✓	✓	Included
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	✓	✓	Included
Contingencies (same as normal levels assumed in authorities' investment projections)	✓	✓	Included in
	.,		Outturn Factor
Public meetings	X	X	Excluded
Customer communication	X	X	Excluded
Special inducements	X	X	Excluded
Effect of seasonal working	X	X	Excluded
Effect of limited working hours	X	X	Excluded

Table J5 Lines 6 and 7 New service reservoir 4MI and 15MI

STANDARD COST ASSUMPTIONS	Include in Standard Cost	Authority audit	
LABOUR AND PLANT			
Two compartment tank	✓	✓	Included
Roof membrane	✓	✓	Included
Disinfection on completion	✓	✓	Included
Water test	✓	✓	Included
Emptying and re-filling	✓	✓	Included
Pipework and interconnecting pipework	✓	✓	Included
Valves	✓	✓	Included
Access covers	✓	✓	Included
Ladders	✓	✓	Included
ELECTRICAL			
Flow	Х	Х	Excluded
Level	✓	✓	Included
Water quality	✓	✓	Included
Telemetry	✓	✓	Included
BUILDINGS			
Valve house	Х	Х	Excluded
Building for ICA equipment	✓	✓	Included
MANAGEMENT COSTS			
Planning	✓	✓	Included
Design and supervision	✓	✓	Included
Quality audit	✓	✓	Included
Contractual claims	√	✓	Included in Outturn Factor
Compensation	Х	Х	Excluded
Stores overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost separately in order to exclude)	Х	Х	Excluded
Commissioning	✓	✓	Included
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	√	√	Included as a percentage
Contingencies (same as normal levels assumed in authorities' investment projections)	√	√	Included in Outturn Factor
or general adjustment	✓	Х	Excluded
Public meetings	Х	Х	Excluded
Customer communication	Х	Х	Excluded
Special inducements	Х	Х	Excluded
Effect of seasonal working	Х	Х	Excluded
Effect of limited working hours	Х	Х	Excluded

Table J5 Line 8 Refurbishment of service reservoir 6MI

STANDARD COST ASSUMPTIONS	Include in Standard Cost	Authority audit	
LABOUR AND PLANT			
Sample tap	Х	Х	Excluded
Disinfection on completion	✓	✓	Included
Remedial work	✓	✓	Included
Cracks in roof (combifex)	✓	✓	Included
Construction joints in floor and walls	✓	✓	Included
Defective concrete	✓	✓	Included
Rendering	✓	✓	Included
Roof vents (sealed)	✓	✓	Included
Access covers	✓	✓	Included
New roof membrane	✓	✓	Included
Roof drainage system	✓	✓	Included
Internal ladders	✓	✓	Included
Water test	Х	Х	Excluded
Emptying and refilling	Х	Х	Excluded
Excavated material stored on site	✓	✓	Included
Replace excavated material and re-grassing	✓	✓	Included
Paint external corroded pipework	✓	✓	Included
MANAGEMENT COSTS			
Planning	✓	✓	Included
Design and supervision	✓	✓	Included
Quality audit	✓	✓	Included
Contractual claims	✓	✓	Included in Outturn Factor
Compensation	Х	Х	Excluded
Stores overheads (Do not know if authorities supply Free Issue Materials or whether they can	Х	Х	Excluded
identify stores cost separately in order to exclude)			
Commissioning	✓	✓	Included
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	✓	✓	Included as a percentage
Contingencies (same as normal levels assumed in authorities' investment projections)	✓	✓	Included in Outturn Factor
Or general adjustment	✓	Х	Excluded
Public meetings	Х	Х	Excluded
Customer communication	Х	Х	Excluded
Special inducements	Х	Х	Excluded
Effect of seasonal working	Х	Х	Excluded
Effect of limited working hours	Х	Х	Excluded

Table J5 Line 9 Variable speed pumps 1-3MI/d

A new item for a smaller sized line 10 as considered relevant to Scotland

STANDARD COST ASSUMPTIONS	Include in Standard Cost	Authority audit
LABOUR AND PLANT		
Remove existing pumps & shafts (2No.), supply new	✓	
Remove existing motors (2No.), supply new	✓	
Remove suction valves \ delivery valves	X	
Remove existing non return valves, supply new	✓	
Remove existing pipework, supply new (make up pieces between pump suction and delivery and adjacent valves)	✓	
Preparation of Plinths	✓	
ELECTRICAL		
Disconnect and reconnection of power cables	✓	
Removal of existing ICA panel, supply new	√	
Removal of existing PLC (hardware and software), supply new	✓	
Removal of existing instrumentation, supply new	✓	
Removal of existing telemetry, supply new	✓	
Cabling for control instrumentation and local telemetry (incl. traywork, ducting, clipping and testing)	✓	
Reconnect telemetry to network	X	
Building services	X	
Standby generation and associated switchgear	х	
MANAGEMENT COSTS		
Planning	✓	
Design and supervision	✓	
Quality audit	√	
Contractual claims	√	
Compensation	Х	
Stores overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost separately in order to exclude)	Х	
Commissioning	✓	
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	✓	
Contingencies (same as normal levels assumed in authorities' investment projections)	✓	
Or general adjustment	✓	
Public meetings	Х	
Customer communication	х	
Special inducements	Х	
Effect of seasonal working	Х	
Effect of limited working hours	х	

Table J5 Line 10 Variable speed pumps 6-9MI/d

STANDARD COST ASSUMPTIONS	Include in Standard Cost	Authority audit
LABOUR AND PLANT		
Remove existing pumps & shafts (2No.), supply new	✓	
Remove existing motors (2No.), supply new	✓	
Remove suction valves \ delivery valves	X	
Remove existing non return valves, supply new	✓	
Remove existing pipework, supply new (make up pieces between pump suction and delivery and adjacent valves)	✓	
Preparation of Plinths	✓	
ELECTRICAL		
Disconnect and reconnection of power cables	✓	
Removal of existing ICA panel, supply new	✓	
Removal of existing PLC (hardware and software), supply new	✓	
Removal of existing instrumentation, supply new	✓	
Removal of existing telemetry, supply new	√	
Cabling for control instrumentation and local telemetry (incl. traywork, ducting, clipping and testing)	✓	
Reconnect telemetry to network	X	
Building services	X	
Standby generation and associated switchgear	х	
MANAGEMENT COSTS		
Planning	✓	
Design and supervision	✓	
Quality audit	✓	
Contractual claims	✓	
Compensation	х	
Stores overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost separately in order to exclude)	х	
Commissioning	✓	
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	✓	
Contingencies (same as normal levels assumed in authorities' investment projections)	✓	
Or general adjustment	✓	
Public meetings	Х	
Customer communication	Х	
Special inducements	Х	
Effect of seasonal working	Х	
Effect of limited working hours	Х	

Table J5 Line 11 Variable speed pump motors 30MI/d

STANDARD COST ASSUMPTIONS	Include in Standard Cost	Authority audit
LABOUR AND PLANT		
Mechanical Equipment		
Remove existing Variable speed motors (3No.), supply new	✓	
Electrical Equipment		
Disconnect and reconnect power cables (3No.)	✓	
MANAGEMENT COSTS		
Planning	✓	
Design and supervision	✓	
Quality audit	✓	
Contractual claims	✓	
Compensation	Х	
Stores overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost separately in order to	х	
exclude)		
Commissioning	✓	
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	✓	
Contingencies (same as normal levels assumed in authorities' investment projections)	✓	
Or general adjustment	✓	
Public meetings	х	
Customer communication	х	
Special inducements	Х	
Effect of seasonal working	Х	
Effect of limited working hours	Х	

DELETED BOREHOLE PUMPS AS CONSIDERED NOT LIKELY TO BE REQUIRED IN SIGNIFICANT NUMBERS TO BE REFLECTIVE OF CAPITAL PROGRAMME.

STANDARD COST ASSUMPTIONS	Include in Standard Cost	Authority audit
LABOUR AND PLANT – (Mechanical equipment)		
Remove blank flanges (on existing isolating valves (2No.))	✓	
Supply new pump set inclusive of pump, motor, & baseplate (1No.) & install	✓	
New pipework (make up pieces between pump suction and delivery and adjacent valves) including new bolt sets and gaskets	✓	
Supply new non-return valve	✓	
ELECTRICAL		
Disconnect and reconnection of power cables	✓	
Removal of existing ICA panel, supply new	✓	
Removal of existing PLC (hardware and software), supply new	✓	
Removal of existing instrumentation, supply new	✓	
Removal of existing telemetry, supply new	✓	
Cabling for control instrumentation and local telemetry (incl. traywork, ducting, clipping and testing)	√	
Reconnect telemetry to network	X	
Building services	X	
Standby generation and associated switchgear	X	
New Starter	X	
MANAGEMENT COSTS		
Planning	√	
Design and supervision	✓	
Quality audit	✓	
Contractual claims	✓	
Compensation	X	
Stores overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost separately in order to exclude)	X	
Commissioning	✓	
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	✓	
Contingencies (same as normal levels assumed in authorities' investment projections)	✓	
Or general adjustment	✓	
Public meetings	X	
Customer communication	X	
Special inducements	Х	
Effect of seasonal working	X	
Effect of limited working hours	Х	

This item was used inOfwat Submission G but not K, but maybe relevant to Scotland Table J5 Line 12 Extension to office accommodation

STANDARD COST ASSUMPTIONS	Include in Standard Cost	Authority audit
LABOUR AND PLANT		
SPECIFIC REQUIREMENTS TO BE DEVELOPED IF THIS ITEM IS USED		
MANAGEMENT COSTS		
Planning	✓	
Design and supervision	✓	
Quality audit	✓	
Contractual claims	✓	
Compensation	X	
Stores overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost separately in order to exclude)	Х	
Commissioning	✓	
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	✓	
Contingencies (same as normal levels assumed in authorities' investment projections)	✓	
Or general adjustment	✓	
Public meetings	Х	
Customer communication	Х	
Special inducements	Х	
Effect of seasonal working	Х	
Effect of limited working hours	Х	

This item was used in Ofwat Submission G but not K, but maybe relevant to Scotland Table J5 Line 13 Satellite stations and transmission station

STANDARD COST ASSUMPTIONS	Include in Standard Cost	Authority audit
LABOUR AND PLANT		
SPECIFIC REQUIREMENTS TO BE DEVELOPED IF THIS ITEM IS USED		
MANAGEMENT COSTS		
Planning	✓	
Design and supervision	✓	
Quality audit	✓	
Contractual claims	✓	
Compensation	Х	
Stores overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost separately in order to exclude)	х	
Commissioning	✓	
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	✓	
Contingencies (same as normal levels assumed in authorities' investment projections)	✓	
Or general adjustment	✓	
Public meetings	Х	
Customer communication	Х	
Special inducements	Х	
Effect of seasonal working	Х	
Effect of limited working hours	х	

Table J6 Line 1 Storage tank to combined sewe	r overflow 750m ³		
STANDARD COST ASSUMPTIONS	Include in Standard	Authority audit	
	Cost	•	
LABOUR AND PLANT			
Re-use of excavated material on site	✓	✓	Included
Geo-technical investigations	✓	✓	Included
Temporary pumping	X	Х	Excluded
Kiosk base slab	``	<i>√</i>	Included
Open topped bolted segmented shaft	√	✓	Included
Allowance for uplift	Х	Х	Excluded
Inlet\outlet chambers	✓	✓	Included
Battered excavation	✓	✓	Included
Transfer pumps and circulating pump	✓	✓	Included
Circulating mixer	X	Х	Excluded
Access ladders	✓	✓	Included
Access covers	✓	✓	Included
Vents	✓	✓	Included
Guard rails	X	Х	Excluded
Vacuum flushing system	X	Х	Excluded
Interconnecting pipework and connection to sewer (in and out)	✓	✓	Included
BUILDINGS			
Kiosk	✓	✓	Included
ELECTRICAL			
Motor control centres	✓	✓	Included
Cabling	✓	✓	Included
ICA	✓	✓	Included
Telemetry	✓	✓	Included
Building services	Х	Х	Excluded
MANAGEMENT COSTS			
Planning	✓	✓	Included
Design and supervision	✓	✓	Included
Quality audit	✓	✓	Included
Contractual claims	✓	✓	Included
Compensation	Х	Χ	Excluded
Stores overheads (Do not know if authorities supply Free Issue Materials or whet identify stores cost separately in order to exclude)	her they can X	x	Excluded
Commissioning	✓		Included
Tender\outturn margin (same as normal levels assumed in authorities' investment p	rojections) ✓		Included as a percentage
Contingencies (same as normal levels assumed in authorities' investment projection			Included in Outturn Factor
Or general adjustment	√	Х	Excluded
Public meetings	x	Х	Excluded
Customer communication	х	Х	Excluded
Special inducements	x	Х	Excluded
Effect of seasonal working	x	Х	Excluded
Effect of limited working hours	х	Х	Excluded

Table J6 Lines 2 to 4 Replacement pumps and motors 12-100kW

STANDARD COST ASSUMPTIONS	Include in Standard Cost	Authority audit	
LABOUR AND PLANT			
Removal of existing pumps and motors, supply new	✓	✓	Included
Removal of suction valves\ delivery valves	X		
Removal of non return valves, supply new	✓	✓	Included
Removal of existing pipework, supply new (make up pieces between pump suction and delivery and adjacent valves)	√	√	Included
Preparation of plinths	✓	✓	Included
ELECTRICAL			
Disconnect and reconnection of power cables	✓	✓	Included
Removal of existing ICA panel, supply new	✓	✓	Included
Removal of existing PLC (hardware and software), supply new	✓	✓	Included
Removal of existing instrumentation, supply new	✓	✓	Included
Removal of existing telemetry, supply new	✓	✓	Included
Cabling for control instrumentation and local telemetry (incl. traywork, ducting, clipping and testing)	✓	✓	Included
Reconnect telemetry to network	Х	Х	Excluded
Building services	Х	Х	Excluded
Standby generation and associated switchgear	Х	Х	Excluded
MANAGEMENT COSTS			
Planning	✓	✓	Included
Design and supervision	✓	✓	Included
Quality audit	✓	✓	Included
Contractual claims	√	√	Included in Outturn Factor
Compensation	Х	Х	Excluded
Stores overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost separately in order to exclude)	х	х	Excluded
Commissioning	✓	✓	Included
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	√	√	Included as a percentage
Contingencies (same as normal levels assumed in authorities' investment projections)	✓	✓	Included in Outturn Factor
Or general adjustment	✓	Х	Excluded
Public meetings	Х	Х	Excluded
Customer communication	Х	Х	Excluded
Special inducements	Х	Х	Excluded
Effect of seasonal working	Х	Х	Excluded
Effect of limited working hours	Х	Х	Excluded

Table J6 Line 5 Primary treatment works p.e 10,000

STANDARD COST ASSUMPTIONS	Include in Standard	Authority audit	
	Cost		
PROCESS		,	
Process Design to meet consent standard specified	✓	✓	Included
Insert main process assumptions			
			_
Preliminary Treatment (Incl. Storm Storage and Return)	✓	✓	Included
Primary Treatment	✓	✓	Included
Flow measurement	✓	✓	Included
Sludge storage	✓	✓	Included
Odour control	✓	✓	Included
Interconnecting pipework and valves	✓	✓	Included
ELECTRICAL EQUIPMENT			
Motor Control Centres including incomer/isolator/local distribution.	✓	✓	Included
Power, control, instrument cabling.	✓	✓	Included
Instruments (level, flow, pressure, water quality, etc)	✓	✓	Included
Control Panels (including local control PLC, works PLC, works SCADA)	✓	✓	Included
Telemetry outstation equipment	✓	✓	Included
Building Services (Lighting, power, heating, ventilation, telephones, intruder and fire alarm, and entry control and surveillance).	√		Included
Standby generators and associated switchgear.	Х	Х	Excluded
BULDINGS			
Switchgear building/kiosk	✓	✓	Included
Administration and control building	✓	✓	Included
Blower building (if applicable)	Х	Х	Excluded
MANAGEMENT COSTS			
Planning	✓	✓	Included
Design and supervision	✓	✓	Included
Quality audit	✓	✓	Included
Contractual claims	√	√	Included in Outturn Factor
Compensation	Х	Х	Excluded
Stores overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores	х	х	Excluded
cost separately in order to exclude) Commissioning	✓	√	Included
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	V	∨ ✓	Included Included as a
	·		percentage
Contingencies (same as normal levels assumed in authorities' investment projections)	√	✓	Included in Outturn Factor
Or general adjustment	✓	Х	Excluded
Public meetings	Х	Х	Excluded

MANAGEMENT COSTS (Cont'd)				
Customer communication	Х	Х	Excluded	
Special inducements	Х	Х	Excluded	
Effect of seasonal working	Х	Х	Excluded	
Effect of limited working hours	х	Х	Excluded	

STANDARD COST ASSUMPTIONS	Include in Standard	Authority audit	
OTANDARD COOT ACCOMITIONS	Cost	.,	
PROCESS			
Process Design to meet consent standard specified	√	✓	Included
Insert main process assumptions			
Biological Treatment		✓	Included
Secondary Settlement		✓	Included
Sludge storage	✓	✓	Included
Odour control	✓	✓	Included
Interconnecting pipework and valves	✓	✓	Included
ELECTRICAL EQUIPMENT			
Motor Control Centres including incomer/isolator/local distribution.	✓	✓	Included
Power, control, instrument cabling.	√	√	Included
Instruments (level, flow, pressure, water quality, etc)	✓	✓	Included
Control Panels (including local control PLC, works PLC, works SCADA)	✓	✓	Included
Telemetry outstation equipment	✓	✓	Included
Building Services (Lighting, power, heating, ventilation, telephones, intruder and fire alarm, and entry control	✓		
and surveillance).			
Standby generators and associated switchgear.	X	Χ	Excluded
BUILDINGS			
Switchgear building/kiosk	✓	✓	Included
Administration and control building	Х	Х	Excluded
Blower building (if applicable)	Х	Х	Excluded
MANAGEMENT COSTS			
Planning	✓	✓	Included
Design and supervision	✓	✓	Included
Quality audit	✓	✓	Included
Contractual claims	√	✓	Included in Outturn Factor
Compensation	Х	Х	Excluded
Stores overheads (Do not know if authorities supply Free Issue Materials or whether they can identify	Х	Х	Excluded
stores cost separately in order to exclude)			
Commissioning	✓	✓	Included
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	✓	✓	Included as a percentage
Contingencies (same as normal levels assumed in authorities' investment projections)	√	✓	Included in Outturn Factor
or general adjustment	✓	Х	Excluded.
Public meetings	X	Х	Excluded
Customer communication	X	X	Excluded
Special inducements	X	X	Excluded
Effect of seasonal working	Х	X	Excluded
Effect of limited working hours	X	Х	Excluded

STANDARD COST ASSUMPTIONS	Include in Standard	Authority audit	
DD00500	Cost		
PROCESS			1
Process Design to meet consent standard specified	✓	✓	Included
Preliminary treatment	✓	✓	Included
Primary treatment	√	✓	Included
Biological Treatment	✓	✓	Included
Secondary Settlement	✓	✓	Included
Storm tanks	✓	✓	Included
Flow measurement	✓	✓	Included
Sludge storage	√	✓	Included
Odour control	✓	✓	Included
Interconnecting pipework and valves	✓	✓	Included
ELECTRICAL EQUIPMENT			
Motor Control Centres including incomer/isolator/local distribution.	√	✓	Included
Power, control, instrument cabling.	√	✓	Included
Instruments (level, flow, pressure, water quality, etc)	✓	✓	Included
Control Panels (including local control PLC, works PLC, works SCADA)	✓	✓	Included
Telemetry outstation equipment	✓	✓	Included
Building Services (Lighting, power, heating, ventilation, telephones, intruder and fire alarm, and entry control	✓	✓	Included
and surveillance).			
Standby generators and associated switchgear.	Χ	Х	Excluded
BUILDINGS			
Switchgear building/kiosk	✓	✓	Included
Administration and control building	✓	✓	Included
Blower building (if applicable)	✓	Х	Not applicable
MANAGEMENT COSTS			
Planning	✓	✓	Included
Design and supervision	✓	✓	Included
Quality audit	✓	✓	Included
Contractual claims	✓	✓	Included in Outturn Factor
Compensation	X	Х	Excluded
Stores overheads (Do not know if authorities supply Free Issue Materials or whether they can identify	Х	х	Excluded
stores cost separately in order to exclude)	✓	✓	Induded
Commissioning Tandardauttura margia (como de parmel levele accumed in authoritica) investment prejectiona)	∀	<u> </u>	Included
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	ľ	v	Included as a percentage
Contingencies (same as normal levels assumed in authorities' investment projections)	✓	√	Included in Outturn Factor
Or general adjustment	✓	Х	Excluded
Public meetings	Χ	Х	Excluded
Customer communication	Х	Х	Excluded
Special inducements	X	Х	Excluded
Effect of seasonal working	Χ	Х	Excluded
Effect of limited working hours	X	Х	Excluded

Table J6 Line 10 Preliminary treatment works	Include in Standard	Authority audit	
STANDARD COST ASSUMPTIONS	Cost	Authority audit	
PROCESS			
Process Design to meet consent standard specified	✓	✓	Included
insert main process assumptions			
Preliminary treatment	√	✓	Included
Flow measurement	✓	✓	Included
Odour control	✓	✓	Included
Interconnecting pipework and valves	✓	✓	Included
Electrical Equipment			
Motor Control Centres including incomer/isolator/local distribution.	✓	✓	Included
Power, control, instrument cabling.	✓	✓	Included
Instruments (level, flow, pressure, water quality, etc)	✓	✓	Included
Control Panels (including local control PLC, works PLC, works SCADA)	✓	✓	Included
Telemetry outstation equipment	✓	✓	Included
Building Services (Lighting, power, heating, ventilation, telephones, intruder and fire alarm, and entry control and surveillance).	✓	✓	
Standby generators and associated switchgear.	х	Х	Excluded
Buildings			
Switchgear building/kiosk	√	✓	Included
Administration and control building (if applicable)	Х	X	Not applicable
Blower building (if applicable)	Х	X	Not applicable
MANAGEMENT COSTS			1101.01
Planning	✓	✓	Included
Design and supervision	√	√	Included
Quality audit	✓	✓	Included
Contractual claims	✓	√	Included in Outturn Factor
Compensation	Х	Х	Excluded
Stores overheads (Do not know if authorities supply Free Issue Materials or whether they can identify		x	Excluded
stores cost separately in order to exclude) Commissioning	✓	√	Included
Tender/outturn margin (same as normal levels assumed in authorities' investment projections)	▼	√	Included as a
Tender loutturn margin (same as normanievers assumed in authorities investment projections)		•	percentage
Contingencies (same as normal levels assumed in authorities' investment projections)	✓	✓	Included in Outturn Factor
Or general adjustment	✓	Х	Excluded
Public meetings	Х	Х	Excluded
Customer communication	Х	Х	Excluded
Special inducements	Х	Х	Excluded
Effect of seasonal working	Х	Х	Excluded
Effect of limited working hours	Х	Х	Excluded

Table J6 Line 11 First time rural sewage works

STANDARD COST ASSUMPTIONS	Include in Standard Cost	Authority audit	
PROCESS			
Process Design to meet consent standard specified	✓	✓	Included
Insert main stages			
Preliminary treatment	✓	✓	Included
Primary Treatment	✓	✓	Included
Biological treatment	✓	✓	Included
Tertiary treatment	✓	✓	Included
Electrical Equipment			
Motor Control Centres including incomer/isolator/local distribution.	✓	✓	Included
Power, control, instrument cabling.	✓	✓	Included
Instruments (level, flow, pressure, water quality, etc)	✓	✓	Included
Control Panels (including local control PLC, works PLC, works SCADA)	✓	✓	Included
Telemetry outstation equipment	✓	✓	Included
Building Services (Lighting, power, heating, ventilation, telephones, intruder and fire alarm, and entry control and surveillance).	x	Х	Excluded
Standby generators and associated switchgear.	Х	Х	Excluded
BULDINGS			
Switchgear building/kiosk	✓	✓	Included
MANAGEMENT COSTS			
Planning	✓	✓	Included
Design and supervision	✓	✓	Included
Quality audit	✓	✓	Included
Contractual claims	√	✓	Included in Outturn Factor
Compensation	Х	Х	Excluded
Stores overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost separately in order to exclude)	х	X	Excluded
Commissioning	✓	✓	Included
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	√	√	Included as a percentage
Contingencies (same as normal levels assumed in authorities' investment projections)	√	✓	Included in Outturn Factor
Or general adjustment	✓	Х	Excluded
Public meetings	Х	X	Excluded
Customer communication	X	X	Excluded
Special inducements	X	X	Excluded
Effect of seasonal working	X	X	Excluded
Effect of limited working hours	X	X	Excluded

STANDARD COST ASSUMPTIONS	Include in Standard Cost	Authority audit	
PROCESS			
Process Design to meet consent standard specified	✓		
Insert main stages			
Nutrient removal/Ammonia removal	✓	✓	Included
Additional sludge treatment	✓	✓	Included
Flow measurement	✓	✓	Included
Interconnecting pipework and valves	✓	✓	Included
ELECTRICAL EQUIPMENT			
Motor Control Centres including incomer/isolator/local distribution.	✓	✓	Included
Power, control, instrument cabling.	✓	✓	Included
Instruments (level, flow, pressure, water quality, etc)	✓	✓	Included
Control Panels (including local control PLC, works PLC, works SCADA)	✓	✓	Included
Telemetry outstation equipment	✓	✓	Included
Building Services (Lighting, power, heating, ventilation, telephones, intruder and fire alarm, and entry control and	✓	✓	Included
surveillance).			
Standby generators and associated switchgear.	Х	Х	Excluded
BUILDINGS			
Switchgear building/kiosk	✓	✓	Included
Administration and control building	Х	Х	Excluded
Blower building (if applicable)	Х	Х	Not applicable
MANAGEMENT COSTS			
Planning	✓	✓	Included
Design and supervision	✓	✓	Included
Quality audit	✓	✓	Included
Contractual claims	✓	✓	Included in Outturn Factor
Compensation	Х	Х	Excluded
Stores overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores	Х	Х	Excluded
cost separately in order to exclude)			
Commissioning	✓	✓	Included
Tender\outturn margin (same as normal levels assumed in authorities' investment projections)	✓	✓	Included as a percentage
Contingencies (same as normal levels assumed in authorities' investment projections)	✓	✓	Included in Outturn Factor
Or general adjustment	✓	Х	Excluded
Public meetings	Х	Х	Excluded
Customer communication	Х	Х	Excluded
Special inducements	Х	Х	Excluded
Effect of seasonal working	Х	Х	Excluded
Effect of limited working hours	X	X	Excluded

ELECTRICAL EQUIPMENT Motor Control Centres including incomer/isolator/local distribution. Power, control, instrument cabling. Instruments (level, flow, pressure, water quality, etc) Control Panels (including local control PLC, works PLC, works SCADA) Telementry outstain equipment Building Services (Lighting, power, heating, ventilation, telephones, intruder and fire alarm, and entry control and surveillance). Sanadby generators and associated switchgear. BUILDINGS SWitchgaar building/klosk Administration and control building Switchgaar building/klosk MANAGEMENT COSTS Planning AMANAGEMENT COSTS Planning ANAGEMENT COSTS ANAGEME	STANDARD COST ASSUMPTIONS	Include in	Authority audit
Process Design to meet consent standard specified ### Internation stages ###	PROCESS	Standard Cost	
ELECTRICAL EQUIPMENT Motor Control Centres including incomer/isolator/local distribution. > Power, control, instrument cabing. Instruments (level, flow, pressure, water quality, etc) Ocntrol Panels (including local control PLC, works PLC, works SCADA) * Control Panels (including local control PLC, works PLC, works SCADA) * Elemetry outstation equipment * William Services (Lighting, power, heating, ventilation, telephones, intruder and fire alarm, and entry control and surveillance). * Standby generators and associated switchgear. * BuilLi DINGS * Switchgear building/kiosk * Administration and control building * Switchgear building/kiosk * Planning * MANAGEMENT COSTS * Planning * Planning * Administration and supervision * Design and supervision * Design and supervision * Compensation * Compensation		√	
Motor Control Centres including incomer/isolator/local distribution. Power, control, instrument cabling. Control Panels (including local control PLC, works PLC, works SCADA) Fellemetry outstation equipment Building Services (Lighting, power, heating, ventilation, telephones, intruder and fire alarm, and entry control and surveillance). Standby generators and associated switchgear. Building Services (Lighting, power, heating, ventilation, telephones, intruder and fire alarm, and entry control and surveillance). Switchgear building/klosk Switchgear building/klosk Administration and control building Administration and control building X Biower building AMANAGEMENT COSTS Planning Pesign and supervision Quality audit Contractual claims Compensation Stores overheads (Do not know if authorities supply Free Issue Materials or whether they can identify stores cost separately in order to exclude) Commissioning Fenderhouttum margin (same as normal levels assumed in authorities' investment projections) Or general adjustment Public meetings Listed of seasonal working X Effect of seasonal working	Insert main stages		
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