Cambokeels Mine - CA18/2311/Instruction 174 Remediation Scoping Study Cost Estimate (Rev. 02 FINAL)

				Staff Cost Expe	enses Total
S10 Project Management Monthly Progress Reports					
Progress reports shall be submitted by the Consultant on a monthly basis throughout each stage of the project for the duration of the instructed works. Progress and Financial Reporting (2hr per month 4 No.)	Civil Engineering Engineer	0			
Progress and Financial Reporting (2ff per month 4 No.) Progress Reporting (0 5hr per month 4 No.)	Civil Engineering - Engineer Project Management - Framework Manager	2			
Progress Meetings Consultant shall be required to dial in to monthly telecoms which will be carried out					
between the monthly progress reports by Use of WEBEX and Telecon systems. No attendance at progress meetings at the Coal Authority office in Mansfield or the					
Environemnt Agency Offices in Newcastle are included in this offer Dial in to fortnightly telecoms (1 5hr call 3No.)	Civil Engineering - Engineer	4 5			
			_		
Feasibility		F	Project Common Services Sub-total £	821.00 €	- € 821.00
S1 Start up meeting Included in S2					
S2 Site Visit	Civil Facinassian Facinass	12			
Attendance at 1 no Site Visit - PM Mileage (Site visit @ #mm /mile, Mileage from Birmingham/West Allen 440 miles) 1 No. cars	Civil Engineering - Engineer	12			
Expenses (subsistance and accommodation) (1 person,1 night)					
S3 Review of Existing Information and Data Review of the work done to date and key pollution sources	Mine Water - Principal	75			
Review of the work done to date and key pollution sources Geotechnical Review of the work done to date	Civil Engineering - Engineer Geotechnical Engineering - Principal Engineer	12 2			
Development of the CSM Preduction of a Summary Memo	Civil Engineering - Engineer Civil Engineering - Engineer	8			
Check Mine Plans and CSM Authorise	Hydrogeology/Hydrology - Senior Consultant Project Management - Framework Manager	12 2			
S4 Appraisal of Remedial Options					
Review of key pollution sources Included in the review of existing information section of the offer.					
Screening assessment of the most appropriate remedial options for each pollution source					
Review and refinement of the conceptual site model including any constraints and sensitivities Identification of data gaps	Civil Engineering - Engineer Civil Engineering - Engineer	4			
Summarise the results	Civil Engineering - Engineer Civil Engineering - Engineer	4			
Treatment Options Appraisal Evaluate suitable passive remedial techniques and technologies to address identified pollution;	Mine Water - Principal	75			
Evaluate suitable active remedial techniques and technologies to address identified pollution; Evaluation of the practicability of the passive technology (in terms of technical, site, time and regulat	Water Specialist Mine Water - Principal	7 5 3.75			
Evaluation of the practicability of the active technology (in terms of technical, site, time and regulator Assessment of the effectiveness of the passive technology;	Water Specialist Mine Water - Principal	4 3.75			
Assessment of the effectiveness of the active technology; Assessment of the durability of passive technology;	Water Specialist Mine Water - Principal	7 5			
Assessment of the durability of active technology; Provide an explanation as to why technologies have been rejected	Water Specialist Civil Engineering - Engineer	2			
Provide an explanation as to why technologies have been rejected Provide an explanation as to why technologies have been rejected	Water Specialist Geotechnical Engineering - Principal Engineer	2			
Identify barriers to implementing a scheme. Identify barriers to implementing a scheme.	Civil Engineering - Engineer Geotechnical Engineering - Principal Engineer	2			
Appraisal of costs and benefit (both monetary and non-monetary i e. multi criteria analysis) Appraisal of costs and benefit (both monetary and non-monetary i e. multi criteria analysis)	Civil Engineering - Engineer Geotechnical Engineering - Principal Engineer	4			
Identify the associated risks of each approach; Identify the associated risks of each approach;	Civil Engineering - Engineer Geotechnical Engineering - Principal Engineer	4			
Remedial Options Appraisal Reporting Remedial Options Appraisal Check	Civil Engineering - Engineer Hydrogeology/Hydrology - Senior Consultant	16			
Engineering Review and liaison	Geotechnical Engineering - Principal Engineer	4			
Authorisation	Project Management - Framework Manager	3			
S5 Health and Safety H&S RA for Site Visit and review following visit	Civil Engineering - Engineer	15			
Authorisation H&S RA for Site Visit and review following visit	Project Management - Framework Manager Civil Engineering - Engineer	0 25 0 5			
Authorisation H&S review and input to Feasibility reporting	Project Management - Framework Manager Civil Engineering - Engineer	0 25			
Review S6 Risk Register	Geotechnical Engineering - Principal Engineer	1			
Production of the Risk Register Review of the Risk Register	Civil Engineering - Engineer Geotechnical Engineering - Principal Engineer	6			
Authorisation of the Risk Register	Project Management - Framework Manager	0.5			
Monthly Project Risk Register updates following Interim Telecoms and at end of project (1hr 4No.) Review (0 25hrs 4No.)	Civil Engineering - Engineer Project Management - Framework Manager	4			
S7 Draft Scoping Report					
Review of mine plans by a mine specialist	Mining Engineering - Senior Engineer	8			
Mileage (review mine plans @/mile, Mileage from Birmingham/Mansfield 135 miles) 1 No. cars	0.45				
Prepare Stakeholder Communications Plan Check Authorics	Civil Engineering - Engineer Hydrogeology/Hydrology - Senior Consultant Project Management - Erapswork Manager	3			
Authorise Liaise with the Coal Authority Property Manager on Scheme land requirements	Project Management - Framework Manager Civil Engineering - Engineer	4			
Review Local Plan to identify potential for renewables and joint funding	Civil Engineering - Engineer Civil Engineering - Engineer	6			
Review Local Plan to identify potential for renewables and joint funding	Project Management - Framework Manager	4			
Produce recommendations for the next phase of works Produce recommendations for the next phase of works	Civil Engineering - Engineer Geotechnical Engineering - Principal Engineer	6			
Produce recommendations for the next phase of works	Project Management - Framework Manager	2			
Scoping of GI and drafting of contract data (exploratory hole location plan, specification, BoQ etc) Scoping of GI and drafting of contract data (exploratory hole location plan, specification, BoQ etc)	Geotechnical Engineering - Principal Engineer Geotechnical Engineering - Engineer	24			
Section has been designed as a second section of the section of the second section of the s					
Envirocheck Report		L			
S8 Review Meeting Attendance at 1 no Review Meeting - PM/Engineering	Civil Engineering - Engineer	6			
Attendance at 1 no Review Meeting - Engineering	Geotechnical Engineering - Principal Engineer	6			
Mileage (Site visit @ #/mile, Mileage from Birmingham/Mansfield 135 miles) 1 No. cars					
S9 Final Scoping Report Update Scoping Report in line with CA/EA changes	Civil Engineering - Engineer	10			
Production of Final Scoping Report Checking Report	Civil Engineering - Engineer Hydrogeology/Hydrology - Senior Consultant	4			
Review Authorise	Geotechnical Engineering - Principal Engineer Project Management - Framework Manager	2			
_			Technical Sub-total		£ 19,585.80
Assumptions			Total Fee Estimate		£ 20,406.80
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