McCullagh Lupton Quinn
CHARTERED QUANTITY SURVEYORS

VOLUME C - PRICING DOCUMENT A

Project	**Schools Energy Pathfinder 2025 - Biomass Programme - Biomass Package - Bundle 2 (LMETB)**
Client	**Louth Meath Education and Training Board**
Location	**Chapel Street Dundalk, Co. Louth**
Date	**9th September 2026**

CONSTRUCTION COST CONSULTANTS

SCHOOLS ENERGY PATHFINDER PROGRAMME 2025
BIOMASS BUNDLE 2 (LOUTH/ MEATH EDUCATION AND TRAINING BOARD)
FOR THE DEPARTMENT OF EDUCATION AND YOUTH

Signature of Employer _____

Witness to above named Employers signature:

Name _____

Address _____

_____

Occupation _____

Signature of Contractor _____

Witness to above named Contractors signature:

Name _____

Address _____

_____

Occupation _____

OR

Employers Common Seal: Common Seal of the Employer affixed in the presence of:-

Director _____

Director _____

and
Secretary _____

Contractors Common Seal: Common Seal of the Contractor affixed in the presence of:-

Director _____

Director _____

and
Secretary _____

	Description	Qty	Unit	Rate	€	c
	(06) & (07) PRELIMINARIES & INSURANCES					
	Preliminary Particulars					
	Project, parties and Consultants					
	Name					
A	Schools Energy Pathfinder 2025 - Biomass Programme - Biomass Package - Bundle 2 (LMETB)		item			
	Nature/Descrption of the Works					
B	The Sustainable Energy Authority of Ireland (SEAI), and the Department of Education and Youth (DEY) collaboration on the delivery of a Pathfinder Programme for the Education sector (the 'Pathfinder'). This DEY / SEAI Pathfinder 2025 will target de-carbonisation heating projects through the delivery of Biomass Boiler Solution.		item			
C	The biomass boiler, complete with a fuel store, will be housed in a prefabricated energy cabin, which will be craned into a location adjacent to the existing school boiler house. Where required, the existing heating plant will be upgraded to fully modulating plant and controls to ensure optimisation of the de-carbonised heating systems. Where oil is the existing primary fuel, this will be removed and replaced by LPG / Natural Gas to act as a supporting / backup to the school and the Biomass Heating System. The school will enter into a heat purchase agreement with the Energy Supply Company that supplies the Energy Cabin		nr			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Location(s)					
A	This bundle, representing a single tender competition, will comprise seven (5) schools located in Louth/ Meath (2.1 De La Salle College Louth, 2.3 Ashbourne Community School Meath, 2.4 Loreto Secondary School Meath, 2.5 Bush Post Primary School Louth, 2.6 St. Peters College Meath). The exact site locations can be seen on the Architects Site Plan Layouts		item			
	Names and Addresses of the Employer and Consultants					
	Employer: ^^^Louth/ Meath Education and Training Board ^^^LMETB Chapel Street ^^^Dundalk ^^^Co. Louth					
	M&E Services Consultant, Employers Representative, Design Team Lead and PSDP: ^^^Colman Reynolds Associates Limited ^^^Unit 9 Southern Cross Business Park ^^^Boghall Road ^^^Bray ^^^Co Wicklow ^^^Tel. +353 1 2768700					
B	Architect (and BER Assessors): ^^^Arthur Gibney & Partners ^^^5 Rosemount Terrace ^^^Dundrum Road ^^^Dundrum ^^^Dublin 14 ^^^Tel. 01 478 4300					
	Structural Consultant: ^^^GK Consulting Engineers ^^^11 Millbank Lucan ^^^Co.Dublin ^^^Tel. 01 874 9322					

	Description	Qty	Unit	Rate	€	c
	Quantity Surveyor: ^^^McCullagh Lupton Quinn ^^^9 Ormonde Court ^^^Ormonde Road ^^^Kilkenny ^^^Tel. (056) 7723213					
	Description of site					
	Boundaries of the site					
A	the boundaries of the site are shown on the CRA Drawings 2.1-2.6 - ME01 Site Services Layouts		item			
	Means of Access					
B	access to and from the site is as per the CRA Drawings 2.1-2.6 - ME01 Site Services Layouts		item			
	Position of the Works					
C	the positions of the work are shown on the CRA Drawings 2.1-2.6- ME01 Site Services Layouts. Allow for all costs in connection with the setting out and positioning of the buildings and associated works.		item			
	Adjacent or abutting buildings					
D	the proposed works are to be carried out on the existing school campus; allow for consulting the convenience of anybody who may be affected by the Works with regard to suitable times for carrying out works, making deliveries etc and include all necessary costs associated in complying with this requirement. Contractor to review CRA Drawings 2.1-2.6 ME01 Site Services Layouts and carry out a site visit (as below) to familiarise themselves with the site and relevant constraints in the context of the works requirements to be delivered		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Site visit					
A	the Contractor is strongly recommended to visit the site prior to submission of his tender and to ascertain all necessary information affecting his tender particularly as regards location, access, ground formation and conditions, local conditions, the extent of existing services and the risk of damage thereto, the conditions under which the works will require to be carried out, regulations, sources of labour and material supply etc; he must take all these matters into account when tendering and no charge will be allowed in consequence of his failure to do this for the proper execution of the Contract; he is to make any appointment to visit the site by arrangement with the Employers Representative		item			
	Drawings and other documents from which the Pricing Document has been prepared					
B	see Volume A for a list of all Mechanical and Electrical Service Engineers Documents, Architects Documents and Civil & Structural Engineers Documents from which this Pricing Document was prepared ; any drawing/document which has not been supplied with the tender documents may be inspected by appointment at the offices of the Employers Representative		item			
	CONTRACT					
	Provide for complying in all respects with the 'Agreement' and 'Conditions' of the Public Works Contract for Building Works Designed by the Employer Document Reference PW-CF5 v.2.10 16 June 2026					
	Articles of Agreement					
C	(1) Article 1		item			

	Description	Qty	Unit	Rate	€	c
A	(2) Article 2		item			
B	(3) Article 3		item			
C	(4) Article 4		item			
D	(5) Article 5		item			
E	(6) Article 6		item			
	Conditions of Contract					
F	(1) The Contract		item			
G	(2) The Law		item			
H	(3) Loss, Damage and Injury		item			
I	(4) Management		item			
J	(5) Contractor's Personnel		item			
K	(6) Property		item			
L	(7) The Site		item			
M	(8) Quality, Testing and Defects		item			
N	(9) Time and Completion		item			
O	(10) Claims and Adjustments		item			
P	(11) Payment		item			
Q	(12) Termination		item			
R	(13) Disputes		item			
S	(14) Covid 19 Mandatory Closure		item			
T	(15) Price Variation		item			
	Schedule: Part 1					
U	The completed Schedule: Part 1 of the contract is contained in Volume B. Provide for complying in all respects with the schedule & conditions as described:		Note			
V	(A) Employers Representative and Communications (Sub-clauses 4.3 and 4.14)		item			

	Description	Qty	Unit	Rate	€	c
A						
B	Details for sending notices under clause 12 and 13 to the Employer are: ^^^Louth/ Meath Education and Training Board ^^^LMETB Chapel Street ^^^Dundalk ^^^Co. Louth		item			
C						
D	Details for sending other notices and communications to the Employer are: ^^^Colman Reynolds Associates Limited ^^^Unit 9 Southern Cross Business Park ^^^Boghall Road ^^^Bray ^^^Co Wicklow ^^^Tel. +353 1 2768700		item			
E						
F	Details for sending notices and other communications to the Employers Representative are: ^^^Colman Reynolds Associates Limited ^^^Unit 9 Southern Cross Business Park ^^^Boghall Road ^^^Bray ^^^Co Wicklow ^^^Tel. +353 1 2768700		item			
G						
H	Limitations on the Employers Representative's authority to perform its functions and powers under the contract		item			
I	^^^Maximum adjustment to the Contract Sum for a single change order: €2,000 unless approved by the Employer		Note			

	Description	Qty	Unit	Rate	€	c
A	^^^Maximum cumulative value of adjustments to the Contract Sum for Change Orders in any 3-month period: 0.25% of the contract value, unless approved by the Employer.		Note			
B	^^^The Employers Representative shall not make a Change Order causing or contributing to a reduction in safety, scope, quality or usefulness of the Works without the Employer		Note			
C	^^^The Employer must agree to reduce retention if the Defects Period is extended		Note			
D	^^^The Employers Representative is to consult with the Employer in relation to any adjustment to the Contract Sum before determining the adjustment		Note			
E	^^^Where the Employer has appointed a quantity surveyor, the Employers Representative is to consult with the quantity surveyor in relation to any adjustments to the Contract Sum before determining the adjustment		Note			
F	^^^The employers representative must not waive any of the employers rights of the Contractors obligations under the contract including without limitation sub clause 10.3		Note			
	(B) Documents					
G	The Works Requirements are as scheduled and included in Volume A		item			
H	The Pricing Document is a Bill of Quantities to the Agreed Rules of Measurement 4 Supplement 1 Issue 2 included in Volume C		item			
I	The Mechanical and Electrical Works measured in accordance with The Agreed Rules of Measurement 4 to Supplement 2		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	The Works Proposals; As included in Volume D and attachments - Works Proposals (response to Technical Merit Criteria as outlined in Appendix 1 of the ITT document and accompanying tender information outlining the technical merit criteria).		item			
	(C) Project Supervisor					
B	The Contractor is to be appointed project supervisor for the constructions stage of the works and any other work on the site between the starting date and the date of substantial completion of the works in the Works Requirements		item			
	(D) Insurance (Clause 3)					
C	Items requiring client input only scheduled below. For full text see Schedule Part 1		Note			
D	Insurance of the Work: minimum amount insured for professional fees 12.5% of the contract sum		item			
E	Minimum indemnity level for Public Liability Insurance €6,500,000		item			
F	Minimum indemnity for Employers' liability insurance €13,000,000 for any one event		item			
G	Maximum excess for Insurance of Works and other Risk items: as outlined in the Schedule		item			
H	Maximum excess for Public liability: €10,000 in respect of property damage only. There shall be no excess for death, injury or illness		item			
I	Permitted exclusions from all insurances: Items included in Schedule Part 1 Section D, and other items including, Terrorism, Asbestos		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	Permitted exclusions from Public Liability insurance: Items included in Schedule Part 1 Section D, and other items including, Loss or damage due to design		item			
	Optional insurance provisions					
B	Sub-clause 3.8 (Existing Facilities and Use or Occupation by Employer) shall not apply		item			
C	The Contractor is not required to extend the insurance of the works and other risk Items for a section that has reached Substantial Completion until the Employers Representative issues the certificate of Substantial Completion for the whole works		item			
D	Professional indemnity insurance is required and to be kept in place for 12 years. The minimum indemnity limit shall be €750,000		item			
	(E) Performance Bond					
E	Items requiring client input only scheduled below. For full text see Schedule Part 1		Note			
F	A performance bond is required. The amount of the performance bond shall be 12.5% of the contract sum up to the certification of substantial completion of the works and 5% of the initial contract sum for the subsequent period stated in the form of the bond in the works requirements. 450 days after that		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	(F, (i), (ii) & (iii)) Collateral Warranties, Ancillary Certificates, Named Specialists					
	Schedule Part 1 F (i) Collateral Warranties (Sub-clause 5.5)					
A	See schedule of collateral warranties required from specialists as listed in Schedule Part 1F (i)		item			
	Schedule Part 1 F(ii) Ancilllary Certificates					
B	See schedule of ancillary certificates required from the Main Contractor as listed in Schedule Part 1F (ii)		item			
	(G) Dates for Substantial Completion, Sections, Liquidated damages, Retention					
C	The works: Date for substantial completion as detailed in the FOT (The last working day of 42 weeks starting on the contract date and including the first threshold under clause 9.4), Rate of liquidated damages = €3,000 per week		item			
	(H) Early Completion					
D	The employers representative is required to issue the certificate of Substantial Completion if the works or a section reaches Substantial Completion before its date for Substantial Completion		item			
	(I) Defects Period					
E	The initial Defects Period is one year		item			
	(J) Random Checks for Employment Records					
F	Shall be part of the contract		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	(K) Delay Events, Compensation Events, Programme Contingency, Delay Costs, Adjustments (Sub-clauses 9.3, 9.4, 10.1, 10.6, 10.7)					
A	^^^Event Item Nr. 1 - Delay Event/Yes, Compensation Event/Yes		item			
B	^^^Event Item Nr. 2 - Delay Event/Yes, Compensation Event/Yes		item			
C	^^^Event Item Nr. 3 - Delay Event/Yes, Compensation Event/Yes		item			
D	^^^Event Item Nr. 4 - Delay Event/Yes, Compensation Event/Yes		item			
E	^^^Event Item Nr. 5 - Delay Event/Yes, Compensation Event/Yes		item			
F	^^^Event Item Nr. 6 - Delay Event/Yes, Compensation Event/Yes		item			
G	^^^Event Item Nr. 7 - Delay Event/Yes, Compensation Event/Yes		item			
H	^^^Event Item Nr. 8 - Delay Event/Yes, Compensation Event/Yes		item			
I	^^^Event Item Nr. 9 - Delay Event/Yes, Compensation Event/Yes		item			
J	^^^Event Item Nr. 10 - Delay Event/Yes, Compensation Event/Yes		item			
K	^^^Event Item Nr. 11 - Delay Event/Yes, Compensation Event/Yes		item			
L	^^^Event Item Nr. 12 - Delay Event/Yes, Compensation Event/No		item			
M	^^^Event Item Nr. 13 - Delay Event/Yes, Compensation Event/No		item			
N	^^^Event Item Nr. 14 - Delay Event/Yes, Compensation Event/No		item			
O	^^^Event Item Nr. 15 - Delay Event/Yes, Compensation Event/No		item			
P	^^^Event Item Nr. 16 - Delay Event/Yes, Compensation Event/Yes		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	^^^Event Item Nr. 17 - Delay Event/No, Compensation Event/Yes		item			
B	^^^Event Item Nr. 18 - Delay Event/Yes, Compensation Event/Yes		item			
C	^^^Event Item Nr. 19 - Delay Event/Yes, Compensation Event/Yes		item			
D	^^^Event Item Nr. 20 - Delay Event/Yes, Compensation Event/Yes		item			
E	^^^Event Item Nr. 21 - Delay Event/Yes, Compensation Event/Yes		item			
F	A weather measurement to be recorded at: Phoenix Park weather station		item			
G	In sub-clause 9.4 the programme contingency is five (5nr) site working days of delay caused by Compensation Events		item			
H	In sub-clause 10.7 the amount to be added for delay cost is in accordance with sub-clause 10.7.1(2) the daily rate tendered by the contractor in the schedule, Part 2D. For the purpose of sub clause 10.7, the Contractor is to tender in part 2D a single daily rate for delay costs		item			
	(L) Payment Particulars					
I	Minimum amount for interim payments, except release of retention €5,000		item			
J	The following unfixed work items may be included in the interim payment: Pipes, Ducts, Plant, Equipment, in accordance with clause 11.2; up to 90% of contract value		item			
K	The following off site material with bond may be included in the interim payment: Pipes, Ducts, Plant, Equipment, in accordance with clause 11.2 (2); up to 90% of contract value		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	The retention percentage is: 3%		item			
	(M) Cap on Liability					
B	contract sum		item			
	(N) Conciliation, Adjudication and Arbitration					
C	For the purpose of resolution of a dispute by conciliation the parties to the contract shall agree on the appointment of: A Standing Conciliator		item			
D	Failing agreement the conciliator (or standing conciliator) will be appointed by: The President of the RIAI		item			
E	The person or body to appoint the arbitrator, if not agreed by the parties is: The President of the RIAI		item			
F	The person or body to appoint the adjudicator, if not agreed by the parties is: The Chairperson of the Panel of Adjudicators		item			
G	(O) Rights in Contractors' Documents		item			
H	(P) Material Categories		item			
	Model Forms					
	The following Contract Model Forms are applicable to the contract:					
I	MF 1.6 Performance Bond		item			
J	MF 1.7 Reliance Guarantee		item			
K	MF 1.10 Appointment of Project Supervisor		item			
L	MF 1.11 PI Insurance Cert		item			
M	MF 1.12 Collateral Warrantee		item			
N	MF 1.13 Rates of Pay and Conditions of Employment Certificate		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	MF 1.31 Site Closure Costs Supplement		item			
B	The above documents, (Form of Contract and Model Forms), are available at www.constructionprocurement.gov.ie.					
	OBLIGATIONS AND RESTRICTIONS IMPOSED BY THE EMPLOYER					
	Items for convenience of pricing					
	Please note: The Tenderer must include in their tender price the following associated cost					
C	Tenderer must provide all temporary equipment required to provide heating to the schools until the newly installed heating systems are commissioned		item			
D	Required coordination with the separately appointed Heating Upgrade & Enabling Works Contractor and individual schools for site access and completion of all Works phases		item			
	Programme					
E	provide for agreeing a site organisation and management programme for the works with the School Authorities before commencement of the works		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	when requested by the E.R., the successful Contractor shall prepare and provide within 7 working days, a detailed programme of work from start on site to substantial completion in bar chart format. The programme shall contain details of the resources needed throughout the contract period. It shall also take account of all holiday requirements. This programme will be frequently reviewed during the course of the Contract and the Contractor must keep it fully up to date at all times. The Contractor shall provide for issuing one copy of the programme and all revisions thereto to each firm of the Design Team		item			
B	provide and update when necessary the construction programme in bar chart format		item			
	Site Restrictions					
C	Contractors to be aware that another contractor will be on site during the works period. Both 'Heating Upgrade and Enabling Works Contractor' and 'Biomass Contractor' will be on-site together at various stages. Therefore both parties should take account of this and allow for any additional costs associated with this here, including coordination and any additional health and safety precautions necessary to ensure a safe working environment, and meet current Health and Safety regulations		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Co-ordination between Enabling Works Contractor and separately appointed Biomass Contractor					
A	This contract involves the installation of the Biomass Cabin. The enabling works for installation of the Biomass Cabin are not included in this contract, as described in the documents and drawings.		item			
B	Contractor to allow for co-ordination of Biomass Cabin, associated cladding finishes and integral components including plant, equipment, fittings and ancillary items including flue support installation work and other items; with Biomass Contractor, as required in the Specification and as shown on CRA drawings		item			
	Access to and possession or use of the site					
C	access to and from the site will be as shown on CRA Drawings 2.1-2.6- ME01 Site Services Layouts; the Contractor should allow for making good all existing footpaths, roads, drainage, signage, fencing walls etc. disturbed during the progress of the works		item			
D	provide for keeping the site roads and paths not properly occupied by the Contractor free and safe for neighbouring school users and neighbouring building users at all times		item			
E	provide for performing the work in such a manner as to cause the minimum interference with the occupants and normal routine of adjoining occupiers during the execution of the work		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	allow for all costs associated with access to the site by the Contractor's workforce, employees, sub-contractors, suppliers etc. and others whom require access to the site; provide necessary safe routes for both pedestrian and vehicular traffic; include for all necessary adjustment and maintenance of these routes to ensure the safety of all; include all making good work to areas disturbed		item			
B	the site must not be used for any purpose other than carrying out the works		item			
	Boundaries of Site and Limitations of Working Space					
C	allow for working generally within the site boundaries except where the work necessitates working outside the curtilage of the site boundaries in connecting the services to the Local Authority or other Utility Network Service Provider or supplier		item			
D	the Contractor shall include for all additional insurances, watching, lighting, barriers, hoardings, traffic management and the like where work is required to be carried out beyond the boundary of the site		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Limitations of working hours					
A	subject to any provision to the contrary contained in the contract, none of the works should be carried out prior to 7.00am and after 6pm Monday to Friday, 8.00a.m to 2.00pm Saturdays, Sundays and Public Holidays without permission of the E.R. save without permission of in writing of the E.R. when work is unavoidable or absolutely necessary for the saving of life or property or for the works in which case the Contractor shall immediately advise the E.R.		item			
B	no deliveries to be made from 8.30am - 9.30am or 1.00pm - 3.30pm during school term (if applicable)		item			
C	all deliveries and site access will be through the main dedicated construction site entrance as shown on CRA- ME01 Site Services Layouts		item			
D	contractors should make all required allowances here for disruption to work progress (as a result of noise omission requirements or other) during the standard state & mock examination periods. Typically these will span up to 10 days in February and up to 20 days in June. 1st, 2nd & 5th year house examinations would also typically span a minimum of 5 days in late May and should be included for in this item. The contract duration for these works packages is to be scheduled within the summer holiday break, however the contractor must make themselves aware of this item and any works overlapping the stated periods above and any associated knock-on implications or costs arising from same to be included for here.		item			
E	any limitations imposed by the Local Authority or Garda Siochana must be adhered to in full		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Limitations on the operation of plant with respect to adjoining property					
A	provide for maintaining and making good damage, if any, to roads, paths services and other property, public or private, caused by or attributable in any way to the execution of the works and for indemnifying the Employer against loss, damage, claim or proceedings by any Local Authority, statutory undertaking, or others		item			
	Use or Disposal of any material found on site					
B	no sand, ballast, gravel, coal or other useful material which may be found in the Works shall be removed from the site, nor shall it become the property of the Contractor, nor be used in the Works except upon the express instructions of the ER, in which case the quantity used, if any, shall be measured and valued by the Quantity Surveyor, and such value deducted from the Contract Sum.		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Temporary fencing, hoarding, screens, temporary roofs, temporary naming boards, gantries, etc. for all phases of the works					
A	provide, maintain, adapt and relocate as necessary all temporary hoarding as required to prevent unauthorized access to the works by users of the school and the public at large; include for all adjustments and extensions to hoarding when required during the course of the contract; hoarding shall be minimum of 2.4m high, of solid heavy duty steel structure and of a continuous sheet nature (i.e. cannot see through); steel panels to be 2500mm wide x 2400mm high, secured in position with scaffold tubes and 750kg concrete ballast blocks, all sharp edges to be protectively wrapped; use Safe Hoard Steel On Ground Hoarding or equivalent; note the foregoing are minimum requirements and it shall remain the contractors express responsibility to ensure the safety of all persons and property affected in any way by the works		item			
B	the final location/relocation of all hoarding and Contractors respective working area shall be agreed with the Architect before erection/relocation of same		item			
C	provide and maintain all temporary fencing, fans, planked footways, guardrails, gantries and the like on or about the site (including identifiable site perimeters) as may be necessary for protecting the public, for the proper execution of the works and for meeting the requirements of any Local or other Authority, including all necessary lighting		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	provide and maintain all temporary guardrails and the like to floor, stair and roof edge protection on or about the site as may be necessary for protecting the personnel about the site, for the proper execution of the works, including all necessary safety nets and lighting		item			
B	provide separate construction access for all phases (if applicable)		item			
C	gate person/Traffic warden to manage pedestrian traffic at the site entrance required		item			
D	provide recessed access gate (set back off the public road) to reduce the impact of construction vehicles impact on local traffic		item			
	Services on and over the Site					
E	the Contractor shall make themselves aware of the presence and location of existing under ground services and over ground services; he shall allow all costs associated with contacting and arranging with the network service provider to identify all services locations on or about the Site; he shall make all reasonable effort to establish and mark out these routes for the general safety of all operatives on the Site, he shall allow for maintaining and protecting the established route lines and markings for the necessary duration of the works or the phasing of the works as applicable; he shall take all necessary steps to avoid interference or damage to these services during the execution of the works; he will be deemed to have included here or make the necessary allowance in his rates for working in and around and maintaining live these services		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Maintenance of existing live services					
A	provide for protecting and maintaining all services on or over the site		item			
B	the Contractor shall take notice that the known live services set out on the Service Engineering drawings, may be required for the continuing operation of the existing neighbouring building (s), and that the Contractor undertakes to carry out the works without interruption to same. In cases where a temporary interruption to live services is unavoidable, the Contractor shall agree any such interruption with the ER in advance, in writing, in respect of the timing and period of the disruption, and shall adhere strictly to the terms of such agreement		item			
C	provide for maintaining flows of all temporary diversions in drainage, watermains and service runs for the duration of the project, removing temporary facilities and reinstating disturbed ground on completion		item			
D	the Contractor shall in all events ensure that the works are programmed, supervised and carried out in a way to prevent the risk of accidental interruption to live services		item			
	Order of Work					
E	allow for liaising with the service suppliers in relation to the diversion of any existing live services traversing the site		item			
F	liaising with Architect, PSDP and Employer on an ongoing basis to agree, implement and maintain a safe environment for all times		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Provision of Project Supervisor Construction Stage Services by the Contractor under the Safety, Health & Welfare at Work (Construction) Regulations					
A	provide for all costs associated with the Contractor acting as Project Supervisor Construction Stage under the Safety, Health & Welfare at Work (Construction) Regulations		item			
	Method Statement					
B	provide and maintain a detailed Safety Method Statement for the works satisfying all current statutory requirements and legislation		Item			
C	the Contractor is required to submit an initial 'Programme' and 'Method Statement' outlining his approach to the construction of the Project		Note			
D	the Contractor shall include in the Method statement for a Traffic Management Plan for the duration of the works which will endeavour to cause minimum interference to the neighbouring buildings		item			
	Safety Statement					
E	provide for the production of an up to date Safety Statement satisfying the requirements of current legislation		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Bill of Quantities : Method of Measurement					
A	the Bill of Quantities has been prepared in accordance with the general principles of Agreed Rules of Measurement (ARM 4), as agreed between the Construction Industry Federation and The Society of Chartered Surveyors. Notwithstanding the provision of ARM 4., the drawings from which each element is measured are not listed separately with each element measured. There are amendments to ARM 4 for compliance with the GCCC and these are included in the ARM4 Supplement 1		item			
B	In the measured work all items unless otherwise specifically mentioned, are the nett measurement of the items described when finished in the works. In pricing the Contractor must make such allowances as he thinks fit to cover the necessary waste, laps etc.		item			
C	Contractor to take note that the measured work shall not be used for ordering materials. The Contractor is required to take his own measurements on Site and from the drawings for the quantities required for the ordering of materials		item			
D	Elements, (51) to (58) and (61) to (68) have been measured using ARM 4 Supplement 2; Contractors should include for all costs associated with the supply and installation of all plant, equipment, fittings etc included on the Services Engineers Drawings including ducting, cables, pipes etc		item			

	Description	Qty	Unit	Rate	€	c
	Bill of Quantities : Pricing					
A	the Contractor at the time of tendering, must furnish the Bill of Quantities fully priced in ink in the currency of the European Monetary Union - the Euro (EUR).		item			
B	unpriced items shall be deemed to be included in priced items in the Bill of Quantities		item			
C	lump sum adjustment - if the Contractor makes a lump sum adjustment in the summary of his tenders this adjustment will be dealt with strictly in accordance with Clause 16.2.2 of the Liaison Committee Practice Notes 2018		item			
D	In the event of arithmetical errors being found in a tender the tenderer shall be informed of the errors and asked to formally confirm or withdraw the tender. If the tender is confirmed and there is an error in extension, the rate will be adjusted, so that the extension remains the same. If there is an error in addition, the amounts added (and the rates making them up) will be adjusted pro rata to the error, so that the total remains the same. This will apply if the total of the tendered rates and prices does not add up to the tendered Contract Sum. The Employer will decide which amounts and rates are to be adjusted. Instead of adjusting the amounts added the Employer may in its discretion insert an adjustment item		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Bill of Quantities : Quantities					
A	quantities are rounded to the nearest whole unit except where this procedure would cause an entire item to be eliminated. In this instance such an item is given as a whole unit where the unit of billing is the metre and as one hundredth of a unit where the unit is a tonne		item			
	Bill of Quantities : not a "Design Document"					
B	this document is not a "Design Document" within the meaning and intent of the Safety, Health and Welfare at Work (Construction) Regulations 2013 and does not purport to instruct the Contractor as to the manner and methods to be employed in the construction of this project. This information is to be ascertained from Design Drawings and Specification		Note			
	Dimensions					
C	figured dimensions are to be followed in preference to dimensions scaled from the drawings (if any discrepancies are apparent clarification from the E.R. is required). Whenever possible dimensions are to be taken on the Site or from the building. Before any work is commenced by domestic sub-contractors dimensions must be checked on the Site and / or building and agreed with the Contractor, irrespective of the comparable dimensions shown on the Drawings. The Contractor will be responsible for the accuracy of all dimensions		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Statutory Consents					
A	All necessary planning permission, fire safety certificates and disabled access certificates have been obtained for the project. The consents are included in Information Package.		item			
	Consents / Building Regulations / Licences					
B	The contractor must carry out the Works in accordance with the provisions of the current Building Regulations. He shall inform the Employer of any specific requirement of the drawings or specification which he considers being in contravention of the Building Regulations. The Employer shall take account of the Contractors submission and issue instructions accordingly as they see fit.		item			
C	The Contractor must make relevant provision for any and all other statutory requirements, notices, licences and consents to carry out the works such as but not limited to: Temporary road closure licence (if required), Waste management licence, Work permits, Road opening licences		item			
	Statutory Undertaking					
D	The Contractor, in accepting the contract, must comply with all of the required planning conditions as listed; Contractor to refer to Planning Conditions as included in Information Pack.		item			
E	Planning Recommendations		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	General Conditions					
	Local labour					
A	persons engaged upon the works should insofar as practicable and without affecting the efficiency of the Work be recruited from the local SOLAS (or equivalent) Office to the extent that the total labour requirement of the Contract exceeds the Contractor's core work force		item			
	Trade Union Membership, Pension Schemes					
B	all workers employed by the Contractor and his sub-contractors shall be members of a recognised Trade union		item			
C	it be a condition for the award of this Contract that the lowest acceptable tenderer shall be a fully paid up member of the CIF Pension / Sick Pay Scheme and all payments made in respect of employees must be available for inspection at all times		item			
	Tax Clearance Certificates					
D	it will be a condition for the award of this Contract that the lowest acceptable tenderer must be able to produce promptly on request a tax clearance certificate and a C2 certificate (in the case of a non-resident a statement from the Revenue Commissioners will be required)		item			
	Expense and Acceptance of Tender					
E	the Employer does not bind himself to accept the lowest or any tender and no Contractor will be renumerated for any trouble or expense incurred in preparing his tender. Acceptance of a tender is subject to the sanction of the Employer		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Certificate of Standard and Workmanship					
	allow for complying with the requirements as follows:					
A	^^^all materials and goods are to be the best quality and if applicable they must comply with the latest Irish Standard (IS), British Standard (BS), German Standard (DIN) or Code of Practice (CP) and in accordance with B.S. 8000 - "workmanship on building sites" IS / ISO 9000 / EN 29000 quality system management and in accordance with Building Regulations Technical Guidance Document Part D.; where possible Irish materials must be used		item			
B	^^^all works, materials and workmanship required under this Contract shall be in compliance with the requirements of the Specifications and the Standards referred to therein		item			
C	^^^products / materials shall either be certified as complying with the latest relevant Irish Standard Specifications and shall bear the Irish Standard mark or shall be certified to a national standard of another member state of the European Union which provides an equivalent guarantee of safety and suitability - certification to be by the National Standard Authority of Ireland		item			
D	^^^workmanship shall comply with the latest Irish or British Codes of Practice for the work involved		item			

	Description	Qty	Unit	Rate	€	c
	Proprietory Names, Manufacturer Names and Type					
A	in any case where trade names, manufacturers reference type or marks are used in the tender documents they are deemed in every case (whether specifically mentioned or not) to be accompanied by the words "or equivalent"		item			
B	where materials, appliances or fittings of special design, manufacture or description, patented or otherwise, are described by reference to the proprietary names it shall be deemed to include the term "or equivalent"		item			
C	the term "or equivalent" shall mean that any alternative item proposed is at least equal in performance, quality and workmanship to the specified item. If the Contractor proposes to use an alternative item, the Architect must give his approval to this item and if the Architects approval is not obtained, the Contractor must supply the item originally specified		item			
D	in every case where, on the drawings, in the specification or in the Bill of Quantities, materials, appliances or fittings of special design, manufacture or description, patented or otherwise, are described or the names of the manufacturers or agents are given, any departure from the specified articles or material will only be permitted on the written authorisation of the Architect. If no such authorisation (which shall not be unreasonably withheld) is obtained, the Contractor must supply the articles or materials specified.		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Safety, Health, and Welfare at Work (Construction) Regulations, 2013 (SHW Regs)					
A	refer to the Project Particulars section of Volume A of the Tender Documents which fully details Health & Safety requirements and conditions		note			
B	include for complying with the Health, Safety and Welfare at Work Acts and Regulations current at the date of tender		item			
C	the term temporary works shall mean all temporary works of every kind required for the construction and completion of the works		note			
D	the Contractor shall be responsible for the design of Temporary Works and the E.R. / Consultant Engineer shall be responsible for the design of the Permanent Works.		note			
E	the Contractor shall be appointed by the Client under a collateral agreement to the Main Contract as Project Supervisor for the Construction Stage in respect of the project pursuant to the Safety, Health and Welfare at Work (Construction) Regulations 2013. The Contractor must include all costs for the provision of the services of Project Supervisor for the Construction Stage pursuant to the Regulations. An outline Preliminary Health and Safety Plan for the project is contained in the Additional Information Package		item			
F	refer to PSDP documentation included in the Information Pack and adhere to all requirements as set out within these documents		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	include for procuring and ensuring that the insurance cover required to be obtained and maintained by the contractor, pursuant to Clause 3 of the main contract, shall provide indemnity in respect of any claim for bodily injury or property damage which the contractor may incur by reason of the performance of the functions and duties of the Project Supervisor for the Construction Stage of the project		item			
B	include for preparation and submission of 3 no. copies of the Safety and Health File to the Employer (included in general summary)		item			
C	include for providing assistance to the appropriate member of the design team and to relevant sub-contractors in preparing "As Built" drawings for inclusion in the Safety File both hard and soft copies		item			
D	include for work beyond that already drawn or specified which is required to allow the Contractor to complete the Works in compliance with the regulations (included in general summary)		item			
E	the Contractor must take all precautions necessary and as recommended by the Health and Safety authorities to contain any likely spread of Aspargillus during the construction work		item			
	<u>Site Safety</u>					
F	the Contractor must comply in all aspects with the Safety, Health and Welfare at Work (Construction) Regulations 2013; the contractor shall provide for all costs as a subsequence of complying with the Safety, Health and Welfare at Work (Construction) Regulations and Acts current at the date of tender		item			

	Description	Qty	Unit	Rate	€	c
	the Contractor shall provide, prior to commencement of the Works (and any costs associated therewith) as follows :					
A	^^^a copy of Form of Notice (Form CR1) to be served on the Minister of Labour in pursuance of Regulations 5 and 12		item			
B	^^^company Safety Statement		item			
C	^^^names of Contractor's staff responsible for all on-site and off-site safety personnel, health and welfare personnel, inspectors, certifiers and for first aid		item			
D	^^^site layout plan showing facilities, material storage, temporary parking, craneage positions, security fencing (including type) etc		item			
E	^^^the Contractor shall include for enforcing and ensuring that all sub-contractors and suppliers comply with the Regulations and the requirements of the Project Supervisor (Construction Stage)		item			
F	^^^the Contractor shall include for enforcing and ensuring that all domestic sub-contractors and suppliers comply with the the operation of the requirements of the Safe Pass Scheme and Construction Skills Certificate Schemes		item			
G	^^^the Contractor shall include for enforcing and ensuring they are compliant and that all domestic sub-contractors and suppliers are compliant with the Regulations and the requirements in regard to safety signs, signals and for tests and certificates on the contractors, sub-contractors and all hired plant and equipment		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	^^^the Contractor shall include for providing, enforcing and ensuring the use of Personal Protective Clothing and Personal Protective Equipment for his employees and others that may require access to the site and that they are compliant with the Regulations and also that all domestic sub-contractors and suppliers are compliant with the Regulations in regard to the use of Personal Protective Clothing and Personal Protective Equipment and to provide the Personal Protective Clothing and Equipment to any personnel that may require them so as to ensure their health and safety on the site and during the progress of the work		item			
B	^^^the Contractor shall include for the provision and maintenance of emergency routes, plans and exits; provide for designated trained personnel responsible for emergency procedures on the site and at all times work is being carried out on the site		item			
C	^^^the Contractor shall include for the provision of all necessary fire detection and fire fighting systems on or about the site and to ensure that they are checked and maintained at all times work is being carried out on the site		item			
D	^^^the Contractor shall include for the provision of all necessary energy distribution systems on or about the site and to ensure that they are checked and maintained at all times work is being carried out on the site		item			
E	^^^the contractor is to include in their tender for complying with all restrictions and obligations imposed upon him in the Preliminary Health and Safety Plan prepared by the PSDP and issued as part of the Tender Documentation		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	General Attendances on Archaeologist					
A	Contractors Attention is drawn to the fact that Archaeological monitoring will be required during the reduced level and foundation trench excavation		item			
B	provide for general attendances on Archaeologist which shall be deemed to include the use of Contractors temporary roads, pavings, standing power operated hoisting plant, the provision of temporary lighting and water supplies, cleaning away rubbish and for storage of his plant and materials and the use of mess rooms, sanitary accommodation and welfare facilities		item			
C	provide for using grading bucket when excavating		item			
	Historical finds					
D	the ER shall be immediately advised of any discoveries of historical importance. Any object of antiquarian, geological or other interest discovered during the progress of the works shall be handed over to the ER		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Building Control (Amendment) Regulations S.I. 9 of 2014 and S.I. 105 of 2014					
A	CRA shall act as Assigned Certifier. It shall be a term of the contract that the Main Contractor shall appoint a person from within its own team to act as the designated person with responsibility for the management, collating and maintaining of quality assurance and quality control documentation and Contractor's and Sub-Contractor's design documentation and Contractor's completion documentation, Ancilliary Certificates, etc., arising by operation of the Building Regulations to include S.I. 9 and S.I. 105 of 2014. This person will be required to liaise closely with the Assigned Certifier and others on a best endeavours basis to attain the objectives of the Building Regulations. For the avoidance of doubt any requirements of the Contractor arising under S.I. 9 of 2014 are deemed to be included in the contract sum.		item			
B	Inspection Schedule; Please refer to all Architect, Structural Engineer and Services Engineers inspection schedules as outlined in Volume A of the Tender Documents. The Contractor is to include all associated costs regarding the co-ordination of all inspection visits		item			
	BCAR Handover; as per BC(A)R Specification Contractors Tender BC(A)R Requirements					
C	As part of the BCAR handover process the Main Contractor is to include CS CIF 01 for all subcontractors who carry out works on site, whether they carry design responsibility or not		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Three weeks before the proposed BCAR handover the Contractor is to collate the following information as a minimum fully signed with					
A	Requirements for specialists with Design Responsibility		item			
B	Requirements for specialists without Design Responsibility		item			
	Electrical & Mechanical Project Particulars: Volumes contained in Volume A of this tender package; Contractors should include for all costs associated with complying with all requirements scheduled in the documents referenced below					
C	CRA Electrical documentation		item			
D	CRA Mechanical documentation		item			
	Architects Preliminaries as per Architect Specification contained in Volume A of this tender package ; Contractors should include for all costs associated with complying with all requirements scheduled in the documents referenced below					
E	Architects project preliminaries		item			
F	Schedule of guarantees		item			
G	Schedule of warranties		item			
	GENERAL FACILITIES AND OBLIGATIONS					
	General Facilities And Obligations					
	Supervision and co-ordination of the works					
H	provide sufficient and competent staff for all on and off site supervision and co-ordination for the proper execution of the works		item			

	Description	Qty	Unit	Rate	€	c
A	the Contractor shall provide a competent Site Agent who shall be constantly present during the works, with power to act in the Contractors absence and for all purposes as his general agent		item			
B	the Contractor shall provide a full time mechanical and electrical services co-ordinator on site prior to commencing on site until practical completion of the works. The co-ordinator shall be experienced in all aspects of mechanical and electrical services and shall be responsible for liaising with the services installation contractors, agreeing and co-ordinating builder's work requirements, co-ordination of services installations, preparation of information schedules in connection with the services installation contractors, agreeing programmes and organising the commissioning and testing of the installations		item			
C	the Contractor shall provide a full time temporary work co-ordinator on site prior to commencing on site until practical completion of the works. The co-ordinator shall be experienced in all aspects of temporary works and shall be responsible for liaising with the design team, agreeing and co-ordinating the temporary works, agreeing programmes and organising the works		item			
	<u>Plant, tools and vehicles</u>					
D	provide all plant, tools, vehicles, moulds, profiles and other apparatus for the use of domestic trades for the proper execution of the works, including all costs in respect of bringing to site, maintaining on site and removing on completion		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	allow for maintaining on site for the duration of the works all plant, tools, vehicles, moulds, profiles and other apparatus for the use of domestic trades for the proper execution of the works		item			
	Scaffolding					
B	allow and include all costs in respect of bringing to site, erecting, all necessary ongoing adjustments and removing on completion all general scaffolding and other apparatus for the use of all trades for the proper execution of the works, include for ensuring all test and certificates in respect of the scaffolding or equipment are issued and held on site by the necessary Contractors agent		item			
	Site administration including the provision and keeping of all statutory records					
C	provide for all on and off site management including keeping statutory records		item			
D	the Contractor, or a responsible official from his organisation shall attend progress meetings which will be held at agreed intervals. The Contractor or his agent shall inform all suppliers and sub-contractors as are necessary that their attendance at progress meetings shall be required.		item			
	Security					
E	provide all watching, protective lighting, barriers, fencing and everything else necessary to safeguard the works (including materials and plant) against damage and theft		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Provision of clearly identifiable site perimeters and surroundings					
A	allow for all costs associated with the provision of clearly identifiable site perimeters and surroundings; provide necessary safe routes for both pedestrian and vehicular traffic; temporary paving as may be necessary for the movement of construction traffic, pedestrians and heavy goods vehicles; include for all necessary adjustment and maintenance of these routes to facilitate the phasing of the works and ensure the safety of all users; maintain, remove and make good to 'as found' condition after completion		item			
	Provisions for protection of the public from site operatives and arrangements for protection of third parties and visitors to the site in accordance with all statutory requirements					
B	The Contractor shall comply in all respects with the requirements of the above current Acts and Regulations with respect to his employees, subcontractors, visitors and other third parties; the Contractor shall plan, provide, maintain, adapt and relocate necessary provisions for the protection of the public from site operatives and arrangements for protection of third parties and visitors to the site as required; the foregoing are minimum requirements and it shall remain the contractors express responsibility to ensure the safety of all persons and property affected in any way by the works		item			
	Transport for work people					
C	provide for transporting all workmen and site personnel to site		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Protection of Installed Services and Infrastructure					
A	There will be a period of time between the installation of the hook up services to the anticipated hook up point and the final connection of these services to the Biomass Cabin, and this duration may include periods of inclement weather. The contractor should therefore provide for temporary protection and coverage of the hook-up services and slack, such that the services remain undamaged and weather-tight, sufficient to prevent water/dirt ingress to pipes and ducts, all as detailed in the Service Engineers Specification and Mechanical Specification in particular		item			
	Protecting the works from inclement weather					
B	provide for covering and protecting the works and materials as necessary against inclement weather and for making good any damage occasioned thereby		item			
	Water for the works					
C	provide clean water for the works and pay all fees and charges in connection therewith, provide all necessary plumbing, storage and connections required, maintain during the progress of the works and make good on completion		item			
	Lighting and power for the works					
D	provide all necessary temporary lighting and electric power required for the works and pay all fees and charges in connection therewith		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Temporary roads, hard standings, crossings, etc.					
A	provide and maintain temporary roads, hard standings and crossings, complete with adequate temporary drainage, on and adjacent to the site as necessary for the execution of the works and reinstate areas disturbed on completion to the satisfaction of the Employers Representative		item			
	Temporary accommodation for use of the Contractor					
B	provide suitable temporary sheds, offices, mess rooms, sanitary accommodation and other buildings required		item			
C	provide suitable dedicated room for first aid, including necessary equipment and fittings as required		item			
	Temporary storage areas including suitable and separate storage for dangerous materials or substances					
D	provide a secure materials lock up and secure compound area within the curtilage of the site. This compound is to be adequately protected from trespass, unauthorised entry, damage and theft. Provide necessary watching and lighting for the security, access and movement within the compound area.		item			
E	materials are to be stored in a tidy manner. Separate different materials and protect them from dirt, physical damage, reaction with other materials, marking, staining, micro-organisms, mildew, fungus, vermin etc. Do not store materials in ways which may cause damage to the Works or to the materials or endanger the safety of people or property		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	provide all necessary equipment and protection to enable the handling and storage of materials in accordance with the manufacturers' recommendations. Do not use materials which have been stored for a period in excess of the manufacturers' recommended shelf life		item			
	Traffic regulations					
B	provide for complying with all traffic regulations affecting the works; the Contractor is to provide for traffic signalling at the construction site entrance. The Contractor must provide an appropriate turning area for heavy goods vehicles within the site compound. The Contractor will also be required to comply fully with the requirements set out within the Specifications		item			
	Commencement Notice					
C	provide for completing and submitting to the Local Authority the commencement notice not less than 14 days and not more than 21 days before commencement on site, following consultation with the Employers Representative		item			
	Measurement Notice					
D	give sufficient notice to the Employers Representative before covering up work that may require measurement		item			
	Completion Notice					
E	give at least four weeks notice to the Employers Representative of substantial completion of the whole or phased sections of the works if applicable		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Welfare facilities for work people to be in compliance with the fourth schedule of the Safety, Health, and Welfare at Work (Construction) Regulations					
A	Welfare facilities for work people to be in compliance with the fourth schedule of the Safety, Health, and Welfare at Work (Construction) Regulations		item			
	Safety, Health, and Welfare at Work (Construction) Regulations, including items for the following :-					
B	i. the Contractor shall include for enforcing and ensuring that all domestic sub-contractors and suppliers comply with the the operation of the requirements of the Safe Pass Scheme and Construction Skills Certificate Schemes		item			
C	ii. costs associated with and names of Contractor's staff responsible for all on-site and off-site safety personnel, health and welfare personnel, inspectors, certifiers and for first aid		item			
D	iii. the Contractor shall include for enforcing and ensuring they are compliant and that all domestic sub-contractors and suppliers are compliant with the Regulations and the requirements in regard to safety signs, signals and for tests and certificates on the contractors, sub-contractors and all hired plant and equipment		item			
E	iv. the Contractor shall include for all safety signs and signals		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	v. the Contractor shall include for providing, enforcing and ensuring the use of Personal Protective Clothing and Personal Protective Equipment for his employees and others that may require access to the site and that they are compliant with the Regulations and also that all domestic sub-contractors and suppliers are compliant with the Regulations in regard to the use of Personal Protective Clothing and Personal Protective Equipment and to provide the Personal Protective Clothing and Equipment to any personnel that may require them so as to ensure their health and safety on the site and during the progress of the work		item			
B	vi. the Contractor shall include for the provision and maintenance of emergency routes, plans and exits; provide for designated trained personnel reasonable for emergency procedures on the site and at all times work is being carried out on the site		item			
C	vii. the Contractor shall include for the provision of all necessary energy distribution systems on or about the site and to ensure that they are checked and maintained at all times work is being carried out on the site		item			
D	viii. the Contractor shall include for the provision of all necessary fire detection and fire fighting systems on or about the site and to ensure that they are checked and maintained at all times work is being carried out on the site		item			
E	ix. maintenance of appropriate working conditions and work stations		item			
F	x. Provision and maintenance of on-site traffic routes		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	xi. Provision of first aid equipment and first aid room as appropriate		item			
B	The Contractor shall include for complying with the Safety, Health and Welfare at Work Acts and Regulations current at the date of tender		item			
C	The Contractor shall include for procuring the insurance cover required to be obtained and maintained by the Contractor pursuant to the relevant clauses of the Main Contract shall provide indemnity in respect of any claim for bodily injury or property damage which the contractor may incur by reason of the performance of the functions and duties of the Project Supervisor for the Construction Stage of the project.		item			
D	The Contractor shall deliver his and his subcontractors elements of the Safety File to the Project Supervisor Design Process (PSDP) at practical completion of the project		item			
E	refer to PSDP documentation for and adhere to all requirements as set out within these documents		item			
F	include for preparation and submission of 3 no. copies of the Safety and Health File to the Employer		item			
G	include for providing assistance to the appropriate member of the design team and to relevant sub-contractors in preparing "As Built" drawings for inclusion in the Safety File both hard and soft copies		item			
H	include for work beyond that already drawn or specified which is required to allow the Contractor to complete the Works in compliance with the regulations		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	the Contractor will take all precautions necessary and as recommended by the Health and Safety authorities to contain any likely spread of Aspargillus during the construction work		item			
	Disbursements arising from the employment of work people					
B	provide for all labour insurance and other costs arising from the employment of work people		item			
	Maintenance of public and private roads					
C	provide for maintaining and making good damage, if any, to roads, paths services and other property, public or private, caused by or attributable in any way to the execution of the works and for indemnifying the Employer against loss, damage, claim or proceedings by any Local Authority, statutory undertaking, or others		item			
D	allow for washing down all plant, trucks, equipment, machinery etc. prior to exiting the confines of the site, allow for truck wheel wash and daily sweeping/ washing down/ cleaning of all public roadways affected in any way by the works		item			
	Waste management & Environmental Lab Testing					
E	provide for removing from the site from time to time as necessary and on completion of the works all rubbish, debris, surplus materials, protective casings, etc. and also on completion clean the works internally and externally to the satisfaction of the ER		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	works to be progressed in a manner that will minimise waste production. All waste sent off site for recovery or disposal shall only be conveyed by an authorised waste Contractor to an authorised disposal site		item			
B	provide for preparing a Waste Management Plan prior to commencement which shall include for the segregation of all wastes into recyclable, biodegradable and residual wastes. The Plan shall also detail the types of waste, quantities involved, the authorised waste contractors and authorised disposal site proposed for this contract		item			
	Temporary fencing, hoarding, screens, gantries, etc.					
C	provide and maintain all temporary fencing, hoardings, fans, planked footways, guardrails, gantries and the like on or about the site (including identifiable site perimeters) as may be necessary for protecting the public, for the proper execution of the works and for meeting the requirements of any Local or other Authority, including all necessary lighting		item			
D	provide and maintain all temporary guardrails and the like to floor, stair and roof edge protection on or about the site as may be necessary for protecting the personnel about the site, for the proper execution of the works, including all necessary safety nets and lighting		item			
	Control of noise, pollution and all other statutory obligations					
E	provide for all precautions in keeping dust to a minimal acceptable level and ensuring dust generated on site is prevented from travelling to areas outside the site		item			

	Description	Qty	Unit	Rate	€	c
A	provide for taking all precautions necessary to prevent nuisance from noise, smoke, rubbish, water or any other cause		item			
	Protection of the works					
B	allow for protecting all the work in bringing the works to completion		item			
	The Contractor is to include in his tender for complying with all restrictions and obligations imposed upon him in the Preliminary Health and Safety Plan prepared by the PSDP and issued as part of the Tender Documentation. Particular attention should be made to the following sections of the plan:					
C	Refer to all sections of the Preliminary Health and Safety Plan prepared by the PSDP		item			
D	(NOTE that the MC to review the Preliminary H&S plan contained within the Tender Folder, Volume A)		item			
	Setting out					
E	the Contractor shall provide all labour, instruments, tapes, chains, pegs, dumpy levels, theodolite, laser levels, metric staff etc necessary and shall set out the works to the approval of the E.R.		item			
F	the Contractor shall establish a bench mark on site for the duration of the Contract. The bench mark shall be related to the Ordnance Datum. The permitted deviation in level between the master bench mark and the Ordnance Datum shall be +/-. The location of the bench mark shall be agreed with the Engineer		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Specifications					
A	the Contractor must include for any work and the carrying out of any duties as set out within the Civil and Structural, Mechanical, Electrical and Architectural Specifications.		item			
	Craneage					
B	provide all craneage for the use of Contractors for proper execution of the works, including all costs in respect of bringing to site, maintaining on site and removing on completion		item			
C	Contractor to allow for protection of existing hardstandings during craneage installation works, as deemed necessary with the ER, such as protection pad/ boarding under the crane/ crane loading points. Contractor to ensure no damage to existing surfaces, and all measures are taken to protect existing hardstandings		item			
	Existing Levels					
D	the Contractor shall signify in writing his agreement to the correctness of the existing ground levels, as indicated on the drawings, before commencement of the works and before the existing ground levels are disturbed.		item			
E	if the Contractor is of the opinion that the existing ground levels vary from those shown on the drawings he shall immediately seek instructions and clarification from the ER. Failure by the Contractor to comply with this requirement will be taken to indicate there is no divergence between the existing levels and those shown on the drawings. Unilaterally prepared records will not be accepted after the completion of excavation works concerned.		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	unilaterally prepared records will not be accepted after the completion of excavation works concerned		item			
	Temporary works generally					
B	provide, maintain, adapt, remove and make good after removal all necessary temporary works and temporary services		item			
	Use of existing utility supplies					
C	the Contractor is permitted to use existing utility services incl. water subject to each utility service being metered individually with metering system to ER's approval		item			
	Personal Protective Equipment for use by Employer and Design Team					
D	site equipment of high visibility jackets, helmets and any other equipment deemed required under Contractors health and safety proposals, equipment for 10 Nr. people to be provided.		item			
	Commencement Notice					
E	provide for completing and submitting to the Local Authority the commencement notice not less than 14 days and not more than 21 days before commencement on site, following consultation with the Employers Representative		item			
	Measurement Notice					
F	give sufficient notice to the Employers Representative before covering up work that may require measurement		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Completion Notice					
A	give at least four weeks notice to the Employers Representative of substantial completion of the whole or phased sections of the works if applicable		item			
	Work beyond the boundary of the site					
B	provide, where work is described as being beyond the boundary of the site or in the public path/road/ highway, for adequate watching and lighting, traffic signalling, temporary barricades, walking platforms and warning notices sufficient to ensure the safety of all persons, and removing same on completion, giving notice to the Local Authority, paying their fees and charges and carrying out the work to their satisfaction		item			
C	provide also for maintaining in working order all services, conduiting, telephone cables etc. and for making good any damage occasioned thereto by reason of these works to the satisfaction of the Authority concerned		item			
	Defects Period					
D	provide for maintaining the works for 12 months after the issue of the Certificate of Substantial Completion in accordance with the Conditions of Contract		item			
	Works after substantial completion					
E	any works to be carried out after substantial completion will only be done with the prior consent of the employer; the Contractor will comply with all security and general 'house keeping' arrangements required by the employer		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Commissioning, Records and Schedules					
A	provide for all costs in complying with the Conditions of Contract		item			
B	provide for all costs associated with the provision of record drawings detailing location and depths of all site service ducts including Foul Water, Surface Water, ESB, Site Lighting Telecom, Oil, Gas etc. All drawings should be provided to the client in Hard and Soft Copy format.		item			
C	Separate customised records wiil be required customised for each building: approved material BBA/ IAB certs for all materials used in the works , collated in a separate folder titled "Materials used in the Works". The folder is to include a register of the approved materials with the corresponding resubmitted approved materials in a register for inclusion in the Safety File. And BCAR Documentation		item			
	Progress Photographs					
D	provide progress photographs of the Works taken from locations on or about the site as directed. Take 3 photos of each room and 24 of the building works generally at one month intervals; take 24 photographs at one month intervals for external works. Provide 2 prints of each photograph for the ER, one conventional and one digital. (Permission to be sought from the Employer prior to doing so)		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Record Drawings					
A	the Contractor shall make accurate records of those part of the works which will become hidden by the further progress of the works as may be directed by the ER and such records shall be checked and verified by the ER while the Work is open for inspection. Such records shall be entered by the Contractor on prints of drawings which will be made available to him free of charge for this purpose and amplified by him with supplementary dimensionised sketches and such records shall be completed and certified as aforesaid and handed to the ER as soon as practicable		item			
B	allow for assisting and making accurate records of the works as constructed for the relevant members of the design team to record and incorporate on their drawings and specifications for inclusion in the safety file		item			
	COVID-19 (Coronavirus)					
C	The tenders shall allow in his tender for working on site in line with the CIFs Standard Operating Procedure (SOP) and allow in the tender, where indicated, for any additional time and cost incurred to accommodate the imposition of C19 restrictions. Ensure all directly and indirectly employed staff have undergone the CIF's COVID-19 Safety Induction Programme and have a digital card. Follow the instructions of the main contractors COVID-19 compliance officer.		item			

	Description	Qty	Unit	Rate	€	c
A	In relation to Covid 19, the Contractor is required to review the construction period and ensure adequate time and appropriate programming in the construction contract to facilitate the requirements of the Return to Work Safely Protocol		item			
B	The Contractor shall comply in full with relevant legislation and regulations made thereunder, Government published guidance and Public Health Measures related to the COVID-19 pandemic and current at the Designated Date for the project. 'Government published guidance' shall include relevant material published by its agencies and in particular the Health and Safety Authority and the Health Services Executive		item			
C	The Contractor is advised to take account of the Construction Industry Federation's Standard Operating Procedures issued with respect to the COVID-19 Pandemic.		item			
D	Allow for all alterations to site staff welfare facilities or additional facilities to meet standards set in the OGP Protocol guidance including toilets, canteen, office spaces, access, egress, circulation routes etc		item			
E	The Contract Sum will be deemed to include for the implementation of all measures - including hygiene, Covid-19 PPE, access management, social distancing, materials procurement and delivery, Covid-19 supervisor role(s) as necessary, work sequencing and work practices - required to construct the work safely and to minimise the risk of disease contagion for the Contractor's Personnel, the Employer's Representative, Employer's Personnel and third parties visiting the site.		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	The Covid-19 contract clause provides an entitlement to the Contractor to an extension of time for completion and to the payment of certain costs ('Site Closure Costs') incurred during a Covid-19 Mandatory Closure. Where possible, the adjustments for time and payment of Site Closure Costs are made under existing provisions within the Contract, rather than under new mechanisms introduced by the Covid-19 clause itself. The entitlement to any extension of time and to payment of Site Closure Costs under the Covid-19 clause is subject always to any conditions precedent to the application of the Covid-19 clause or other clauses in the Contract.		item			
B	Additional precautions will be required in relation to Covid-19 to ensure the safety of students and school staff (e.g. if access is shared between the School personnel and Contractor's personnel, if Contractor's personnel are required to enter the school area, either internally or externally, for particular tasks, or if Contractor's personnel have to undertake works in the school after school hours). Such precautions would involve, at a minimum, maintaining social distancing between Contractor's personnel and School personnel, wearing of appropriate PPE and sanitising any work areas in the school on a daily basis in preparation for school activities on the following morning.		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	Each of the Covid 19 preliminary items above should be priced individually; the successful Tenderer may be required to provide additional background information in relation to these items to the Contracting Authority during the tender evaluation and during the course of the project; If in the opinion of the Contracting Authority the tendered prices do not reflect a fair allocation of the tendered Contract Sum, the Contracting Authority may seek to rebalance the tender as per section 8.2 of the ITT (Instructions to Tender).		item			
	Tests					
	Steelwork testing and quality control					
	Test certificates as per Engineers specification					
B	Provide test certificates to demonstrate that steels & bolts used in the Works conform with the Civil/Structural Specification		item			
C	Test certificates are to be verified by an approved Independent Inspection Authority		item			
	Additional Tests on Steels					
D	Where noted on the drawings, the material is to be subject to the following additional tests: Ultrasonic grading to BS EN 10160 :1999 Grade L4, Through-thickness tensile tests BS EN 10164:2018, Level Z25		item			
E	Tests are to be carried out or verified by an approved Independent Inspecting Authority		item			
F	Weld examinations as per Engineers specification		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Intumescent Paint					
A	provide for testing intumescent paint as specified including 2 visits by independent experts		item			
	Submittal Process; as per Service Engineers Specification					
B	Submittals of each piece of equipment and including pipe work are to be submitted in a timely manner to facilitate review and remittance of queries and/or resubmittal. The reviewing Engineers will revert within 2 weeks (10working days). Submittals, provided after 2pm on a working day will be considered to have been submitted on the next working day. (Note: This 2 weeks may not be the sum total time, as the review may warrant resubmittal); Delays to the programme due to late submission of multiple resubmittals remains the responsibility of the contractor. Submittals are to: •Be provided with a cover sheet •Be one submittal and cover sheet per piece of equipment •be itemized with the model number or other relevant information highlighted. •Not be entire catalogues unless subsequently requested by the reviewing Engineer		item			
	Samples					
C	Contractor to include for providing samples of all materials, proposed works, finishes and fittings as measured in this document before installation. The time table for production of samples is to be in accordance with the ER's wishes, but generally 4 weeks prior to incorporation into the works. Sizes of sample panels etc should be a minimum of 1.00 Sq.m. where applicable		item			

	Description	Qty	Unit	Rate	€	c
A	Contractors shall provide all samples as scheduled, with Technical Data submitted in accordance with the requirements of the Specification Sample submittal format. See ERs Schedule of Samples.		item			
	MEASUREMENT NOTES					
	Generally					
	Information					
B	For a detailed description of materials and workmanship, Contractors are to refer to the E.R's and Engineers specification documents		item			
C	All works are measured from the the relevant E.R.'s Drawings and Specification together with Engineers Drawings and Specification. Contractor to refer to these for full details of specification. Should the contractor identify any discrepancies between the Pricing Schedule description and the relevant Drawings or Specification he should seek clarity from the Architect immediately		item			
	Site/Buildings Visit					
D	The Contractor is required to visit the site and ascertain the nature of work involved in this section. No charge for extra labour, plant or material will be allowed in consequence of the Contractors failure to do this.		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	The Contractor is required to make himself aware of the presence and location of all services remaining in and around the existing buildings and shall take all necessary precautions to avoid interference or damage to these services during the execution of the works. The Contractor shall make due allowance in his rates for working in and around and maintaining live these services as necessary. Any damage caused shall be made good at the Contractors own expense		item			
	Disposal of Material					
B	All materials as described to be 'disposed' are to be disposed offsite in strict accordance with the local authority regulations; including for all tipping charges if applicable		item			
	(07) INSURANCES					
	INSURANCES					
	Generally					
	Provide for the following					
C	take out and maintain Public Liability and Employers Liability Insurance against injury to persons and property as required by the Conditions of Contract		item			
D	take out and maintain All Risks Insurances in the joint names of the Employer and Contractor for the full value of the works and ancillary items as required by the Conditions of Contract		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	take out and maintain Professional Indemnity Insurance; to be kept in place for 12 years after the date of substantial completion of the works is certified by the employers representative; the minimum limit for PI Insurance shall be €1,500,000 for each and every claim or series of claims arising from the same originating cause in the annual aggregate limit		item			
B	Professional Indemnity Insurance for Specialists. See Schedule Part 1 F(i) for full list of Collateral Warranties and associated PI Insurance requirements.		item			
C	Professional Indemnity Insurance related to all other sections of work requiring design input from the Main Contractor		item			
	Provide for all costs in respect of all work people for					
D	insurance under Workmen's Compensation, Employer's Liability, Pay Related Social Insurance, Unemployment, Widows and Orphans Pensions and Fatal Accidents Acts and other Statutory Acts in force affecting the works at the date of tender		item			
E	pensions		item			
F	annual and public holidays		item			
G	industrial training levies		item			
H	travelling time, expenses, fares and transport		item			
I	payment of clerical work (including bereavement leave and check off)		item			
J	guaranteed time		item			
K	redundancy and sick pay scheme		item			
L	pay related benefit scheme		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	non-productive time and other expenses in connection with overtime		item			
B	incentive and bonus payments		item			
C	registering with the Department of Social Welfare within one month of engagement, all employees whose employment commences on or after 1st January, 1989 or Sub-Contractors whose engagement commences after 1st January, 1990; provide also for notifying all Sub-Contractors that they are legally bound to notify the Department of Social Welfare of any person engaged to perform any service either with him or on his behalf whether under a contract or any other arrangement made or to be made by him		item			
				To Collection €		

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/1					
Page No. BQ/2					
Page No. BQ/3					
Page No. BQ/4					
Page No. BQ/5					
Page No. BQ/6					
Page No. BQ/7					
Page No. BQ/8					
Page No. BQ/9					
Page No. BQ/10					
Page No. BQ/11					
Page No. BQ/12					
Page No. BQ/13					
Page No. BQ/14					
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Page No. BQ/18					
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Page No. BQ/20					
Page No. BQ/21					
Page No. BQ/22					
Page No. BQ/23					

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/24					
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Page No. BQ/46					

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/47					
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Page No. BQ/50					
Page No. BQ/51					
Page No. BQ/52					
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Page No. BQ/61					
Page No. BQ/62					
(06) & (07) PRELIMINARIES & INSURANCES Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	2.1 De La Salle College Louth (63891T)					
	(59) MECHANICAL INSTALLATIONS					
	(51) HEATING CENTRE					
	SYSTEM					
	Heating installations; BIOMASS Heating System; include for all costs associated with Heating installations to all equipment, fittings, accessories etc itemised elsewhere in this element					
A	All as per CRA Service Engineers Documents including A1203-2.X-B-BC01-BIO-T0 Site Layout (Indicating the Biomass Cabin Location, Potential crane location, Crane lifting distance, Crane / Cabin access route; A1203-2.X-B -ME900-BIO-T0 Mechanical Plant Schematic of Biomass Cabin (Indicating Linkages to Building's Heating System; A1203-2.X-B -ME901-BIO-T0 Controls Schematic of Biomass Cabin; and AGP Architectural Drawings Fire Safety Cert Drawings and AGP Set of Planning Drawing (AGP-AR-1000 OSI Maps, AGP-AR-1010 Historical Maps, AGP-AR-1100 Site Plans, AGP-AR-2000 - Sections, Plans and Elevations)		item			
	PACKAGED PLANT UNITS (BIOMASS CABIN & FUEL STORE)					
B	The Packaged Plant Room (PPR) manufacturer shall refer to the CRA and Architects drawings for all plant room design information and shall coordinate with all relevant contractors prior to the commencement of PPR fabrication		note			
C	Biomass boilers must meet the minimum performance requirements laid out in Commission Regulation (EU) 2015/1189 of 28 April 2015 and Directive 2009/125/EC of the European Parliament and of the European Council		note			

	Description	Qty	Unit	Rate	€	c
A	The Biomass contractor and PPR specialist shall be responsible for co-ordination between one another, on programme and manufacturing. Biomass contractor to confirm all dimensions and weights prior to the commencement of PPR manufacturing to allow adequate space and set out for the equipment and plant included in this contract as part of this PPR Item; Biomass contractor responsible for co-ordination with the Enabling Works Contractor (Separate Appointment/ Contract) regarding physical connection interface, access to the works and regarding programme and procurement of the PPRs in the context of the overall heating upgrade works programme at each school.		item			
				To Collection €		

Description	Qty	Unit	Rate	€	c
Supply, design, manufacture, delivery, installation and commissioning of a Packaged Plant Room and adjacent Fuel Store; to be designed and manufactured by Biomass Contractor to ISO 9001, ISO 14001 & ISO 45001 standards; PPR & Fuel store structure shall be in accordance with EN1090-1 :2009+A1:2012, CE marked. To include design, supply and installation of M&E services supports & bracketry systems as necessary (inc any plinths & proprietary support systems for Mechanical and Electrical installations) including anchor systems and metal framing supports etc. as required, including necessary flue support; Units shall be constructed of a steel frame and panel make-up; Kingspan Quadcore KS1100CS or equivalent Coldstore Panel (175mm thick) to external walls to achieve 60min fire rating (Integrity & Insulation requirements); where 90min fire rated components are shown on AGP Fire drawings; Kingspan Quadcore KS1100CS or equivalent Coldstore Panel (220mm thick) required to external walls to achieve 90min fire rating (Integrity & Insulation requirements); Roof; Single pitch QuadCore KS1000RW or equivalent LEC Roof Panels to the fire rating specified on the Fire Drawings, to be in accordance with I.S. EN 13501-5 & must have a minimum reaction to fire classification of BROOF(t4), to include all proprietary flashings and fixings complete; Fire rated Doors; Double Powder Coated Mild Steel Louvre panelled doors with insect mesh and frames (Aluminium frame and sheet) c/w hardware, seals, with Security Lock system and internal emergency release system; Single personnel door(s) where indicated in Double Powder Coated Mild Steel ; External walls, including doors and vents, of the boiler house and					

Description	Qty	Unit	Rate	€	c
fuel store shall be fire resistance to BS 476-22 or EN equivalent to 100% of the area on all sides of the elevations independently; (Refer to FR Drawings for rating references); Rainwater goods to be aluminium, circular section down pipes, and half round gutters, 100mm diameter ; Floor, in aluminium chequer plate; Unit Base; hot dipped galvanised structural steel frames / bases designed in accordance with Eurocode 3 (EN 1993) and the associated Irish National Annexes; with lifting hooks/ points to facilitate off-loading by crane and hoisting into the desired plant location (to be stress-tested prior); base to have a minimum of 8nr adjustable and lockable leg supports for levelling each unit; structural steel frame and components around biomass boiler enclosure to be coated with intumescent fire paint ; structural steel framing around wood pellet silo enclosure intumescent fire paint (Refer to FR Drawings for rating references) ; M & E INSTALLATIONS; Supply, installation, testing and commissioning of the following plant, equipment, fittings, accessories and controls, to be installed within packaged plant room / fuel store structures, to include Biomass Boiler & Flue, Biomass Fuel Conveyor & Silo/ Store & Auger, LPHW Pumpsets, LPHW Buffer Vessel, Pressurisation units & expansion vessels, Plate heat exchangers, Pipework and Detailing, Fire Extinguishers, General and Emergency Lighting, Fire Alarm Devices incl Carbon Monoxide Sensors, Electrical Containment, Building Management System including MCC Panel and Communication Protocol controller which will interface with School BMS i.e Modbus/BacNet; All plant, equipment, fittings and distribution to be fully insulated					

	Description	Qty	Unit	Rate	€	c
	as per the specification requirements, and all circuits to be fully labelled; Contractor to refer to Schematic Drawings A1203-2.X-B -ME900-BIO-T0, and A1203-2.X-B -ME901-BIO-T0 for all systems, plant, equipment, fittings and accessories to be included in these packaged plant rooms and allowed for here					
A	minimum Biomass Boiler Capacity to deliver the following thermal output at 90°C flow temperature: 200kW; overall dimensions as per Architetcs Drawings AGP-AR-2000 - Sections, Plans and Elevations		item			
	MECHANICAL COMPONENTS					
B	Packaged Plant Room and Fuel Stores; Mechanical Elements; The Appointed Biomass Contractor shall be responsible for the supply installation testing and commissioning of all mechanical systems required as part of this contract, to Biomass Cabins, and Fuel Stores. Services 'Hook-ups' will be provided to the appointed Biomass Contractor by the 'Heating Upgrade and Enabling Works Contractor' appointed under a separate contract, i.e. Heating F &R Pipework, and Cold Water Supply pipework. It is the responsibility of the Biomass Contractor to co-ordinate manage these connection points and interfaces with regards to where they enter the Packaged Plant Rooms, together with a detailed drawing outlining this exact information early in the process, in line with the Works Requirements, affecting all Mechanical Components required and as detailed on the CRA Drawings, Schematics and Specification		item			

	Description	Qty	Unit	Rate	€	c
	ELECTRICAL COMPONENTS					
A	Packaged Plant Room and Fuel Stores; Electrical Elements; The Appointed Biomass Contractor shall be responsible for the supply installation testing and commissioning of all electrical systems required as part of this contract, to Biomass Cabins, and Fuel Stores. Services 'Hook-ups' will be provided to the appointed Biomass Contractor by the 'Heating Upgrade and Enabling Works Contractor' appointed under a separate contract, i.e. Electrical Power Supply, Fire Alarm Interface, Mechanical Plant Wiring including BMS Interface to School, for incorporation into the unit package. It is the responsibility of the Biomass Contractor to co-ordinate and manage these connection points and interfaces with regards to where they enter the Packaged Plant Rooms, together with a detailed drawing outlining this exact information early in the process, in line with the Works Requirements, affecting all Electrical Components required and as detailed on the CRA Drawings, Schematics and Specification		item			
	Additional Items; Notwithstanding the items listed in the Preliminaries Section of the Pricing Document, the following elements are expressly included under the PPR package: -					
B	Transportation of Biomass PPR and Fuel Store to Site		item			
C	Lifting and Cranage of Biomass PPR into the proposed location		item			

	Description	Qty	Unit	Rate	€	c
A	Testing and commissioning of the Biomass Plant off-site and post-delivery; All systems shall be tested for leaks to a test pressure at 130% of the quoted maximum operating pressure prior to delivery and post-delivery prior to commissioning stage. Calibration certs shall be provided for testing equipment Pressure testing and flushing shall include for all heating and water services equipment; All M&E systems shall be tested and certification provided prior to delivery to site; Once Biomass plant is delivered, the Biomass plant shall be re-tested once permanently made live onsite; Biomass contractor shall be include for 3no. visits per school during Heating Upgrade contractor works to support the commissioning of the M&E systems.		item			
B	All Biomass Plant shall comply with EcoDesign and Triple E Register		item			
C	Prior to manufacture, vendor shall provide full technical submittal for PPR including technical datasheets including DoP and CE marking, plantroom layout and schematic drawings for the Biomass systems		item			
D	PPR vendor shall provide BCAR Cs and Ancillary Certifications for Design, Installation and Completion (Sd, Si and Sc)		item			
E	Support and assist in the Support Scheme for Renewable Heat (SSRH) application form and submit to SEAI		item			
F	Undertake the SSRH post installation and inspection progress including providing 5years Design Warranty, 5years Product Warranty and 5years Installation Warranty		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	Act as the Energy Supply Company (ESCO), who will manage, maintain and provide the fuel and provide thermal heat energy back to the school for 15years. The Biomass Plant shall be owned by the Department of Education (DoEY) (CONTRACT B)		item			
B	Biomass Plant and Biomass Fuel shall be in full compliance with SEAI SSRH		item			
C	The PPR Manufacturer shall confirm in writing: The External Finishes; material, colour, etc. for their issue to the relevant planning authority, Type of biomass fuel to be used, Storage and disposal proposals for ash, Details of any emissions to air associated with operation of the proposed development and proposed mitigation measures for same. (refer to Boiler Flue Section within the CRA specification for details of Gaussian Plume Model or equivalent required)		item			
D	Provision of mechanical flushing and pressure test certs, including calibration certs, or all PPR delivered to site		item			
E	Submission of full detailed quality assurance (QA) packs for all PPR; must detail quality checks and photographs throughout the main manufacturing stages as detailed in the CRA specification Section 3.11.6; uploaded onto a cloud data environment and are to be available throughout the entire process; Upon completion, O&M packs are to be handed over to the client and must contain the applicable QA checks		item			
F	Packaged plant rooms to leave factory fully water sealed and protected from water ingress and with protective sheeting on the outside		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	Contractor shall ensure all necessary ancillary certification is provided for the final PPR installations (Ancillary certification of compliance of completion (Cs) and Engineers Ireland Sd, Si and Sc certs) for BCAR purposes		item			
B	The noise emission from the PPR cabin should not exceed 43db(A) during normall operation as measured from the nearest site boundary. The contractor is to allow for carrying out and documenting this test, with the Engineer or Engineer's representative witnessing this test, as part of the demonstrations.		item			
	BIOMASS CONSUMABLES - SPARES					
	Tenderers to price these biomass consumables ("hospital kit") and storage within cabin / school boilerhouse					
	The Contractor is to allow for the removal, disposal of, and replacement of the following consumable biomass components (to be done at a later stage as required by the biomass contractor) within the time period of the Local Energy Supply Contract. The Contractor shall include all costs of and the totals of each component listed below to include all necessary attendances (both general and special), all in accordance with the manufacturers specifications and requirements					
C	T Controller Main Screen		item			
D	Boiler Main PCB		item			
E	ID Fan		item			
F	Stroker Auguer		item			
G	Ash Screw		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	Grate Element		item			
B	Upper Combustion Chamber Ceramics		item			
C	Circulating Pumps		item			
D	Heating Mixing Valve		item			
	(58) (68) OTHER SERVICES(MAINLY PIPED AND DUCTED)					
	MECHANICAL & ELECTRICAL INSTALLATIONS: Sundries And Builders Work					
	Craneage					
E	The PPR Manufacturer shall supply organise and coordinate a crane for the purposes of installing the Biomass Cabin and associated flue; The best effort has been made to identify a route for the crane (typically an 80 Tonne Crane) and is indicated on the site layout plan. This route is indicative for information purposes and the PRR Manufacturer should satisfy themselves that a suitable crane can access the proposed location of the Biomass Cabin and can achieve the "reach" as estimated on the site drawings, ie the "reach" may be longer or shorter; as per Service Engineer Specifcation Section 3.4 in particular and drawings A1203-2.X-B-BC01-BIO-T0 Site Layout(s)		item			
	Unloading, Lifting and Hoisting					
F	The PPR Manufacturer shall supply organise and coordinate plant and labour for off-loading, distribution and handling of equipment to point of storage and final position		item			
	General Attendances					
G	Allow for all general attendances		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
	Special Attendances					
A	Allow for all special attendances		item			
				To Collection €		

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/66					
Page No. BQ/67					
Page No. BQ/68					
Page No. BQ/69					
Page No. BQ/70					
Page No. BQ/71					
Page No. BQ/72					
Page No. BQ/73					
Page No. BQ/74					
Page No. BQ/75					
Page No. BQ/76					
2.1 De La Salle College Louth (63891T) Carried to Summary					

	Description	Qty	Unit	Rate	€	c
	2.3 Ashbourne Community School Meath (91495T)					
	(59) MECHANICAL INSTALLATIONS					
	(51) HEATING CENTRE					
	SYSTEM					
	Heating installations; BIOMASS Heating System; include for all costs associated with Heating installations to all equipment, fittings, accessories etc itemised elsewhere in this element					
A	All as per CRA Service Engineers Documents including A1203-2.X-B-BC01-BIO-T0 Site Layout (Indicating the Biomass Cabin Location, Potential crane location, Crane lifting distance, Crane / Cabin access route; A1203-2.X-B -ME900-BIO-T0 Mechanical Plant Schematic of Biomass Cabin (Indicating Linkages to Building's Heating System; A1203-2.X-B -ME901-BIO-T0 Controls Schematic of Biomass Cabin; and AGP Architectural Drawings Fire Safety Cert Drawings and AGP Set of Planning Drawing (AGP-AR-1000 OSI Maps, AGP-AR-1010 Historical Maps, AGP-AR-1100 Site Plans, AGP-AR-2000 - Sections, Plans and Elevations)		item			
	PACKAGED PLANT UNITS (BIOMASS CABIN & FUEL STORE)					
B	The Packaged Plant Room (PPR) manufacturer shall refer to the CRA and Architects drawings for all plant room design information and shall coordinate with all relevant contractors prior to the commencement of PPR fabrication		note			
C	Biomass boilers must meet the minimum performance requirements laid out in Commission Regulation (EU) 2015/1189 of 28 April 2015 and Directive 2009/125/EC of the European Parliament and of the European Council		note			

	Description	Qty	Unit	Rate	€	c
A	The Biomass contractor and PPR specialist shall be responsible for co-ordination between one another, on programme and manufacturing. Biomass contractor to confirm all dimensions and weights prior to the commencement of PPR manufacturing to allow adequate space and set out for the equipment and plant included in this contract as part of this PPR Item; Biomass contractor responsible for co-ordination with the Enabling Works Contractor (Separate Appointment/ Contract) regarding physical connection interface, access to the works and regarding programme and procurement of the PPRs in the context of the overall heating upgrade works programme at each school.		item			
				To Collection €		

Description	Qty	Unit	Rate	€	c
Supply, design, manufacture, delivery, installation and commissioning of a Packaged Plant Room and adjacent Fuel Store; to be designed and manufactured by Biomass Contractor to ISO 9001, ISO 14001 & ISO 45001 standards; PPR & Fuel store structure shall be in accordance with EN1090-1 :2009+A1:2012, CE marked. To include design, supply and installation of M&E services supports & bracketry systems as necessary (inc any plinths & proprietary support systems for Mechanical and Electrical installations) including anchor systems and metal framing supports etc. as required, including necessary flue support; Units shall be constructed of a steel frame and panel make-up; Kingspan Quadcore KS1100CS or equivalent Coldstore Panel (175mm thick) to external walls to achieve 60min fire rating (Integrity & Insulation requirements); where 90min fire rated components are shown on AGP Fire drawings; Kingspan Quadcore KS1100CS or equivalent Coldstore Panel (220mm thick) required to external walls to achieve 90min fire rating (Integrity & Insulation requirements); Roof; Single pitch QuadCore KS1000RW or equivalent LEC Roof Panels to the fire rating specified on the Fire Drawings, to be in accordance with I.S. EN 13501-5 & must have a minimum reaction to fire classification of BROOF(t4), to include all proprietary flashings and fixings complete; Fire rated Doors; Double Powder Coated Mild Steel Louvre panelled doors with insect mesh and frames (Aluminium frame and sheet) c/w hardware, seals, with Security Lock system and internal emergency release system; Single personnel door(s) where indicated in Double Powder Coated Mild Steel ; External walls, including doors and vents, of the boiler house and					

Description	Qty	Unit	Rate	€	c
fuel store shall be fire resistance to BS 476-22 or EN equivalent to 100% of the area on all sides of the elevations independently; (Refer to FR Drawings for rating references); Rainwater goods to be aluminium, circular section down pipes, and half round gutters, 100mm diameter ; Floor, in aluminium chequer plate; Unit Base; hot dipped galvanised structural steel frames / bases designed in accordance with Eurocode 3 (EN 1993) and the associated Irish National Annexes; with lifting hooks/ points to facilitate off-loading by crane and hoisting into the desired plant location (to be stress-tested prior); base to have a minimum of 8nr adjustable and lockable leg supports for levelling each unit; structural steel frame and components around biomass boiler enclosure to be coated with intumescent fire paint ; structural steel framing around wood pellet silo enclosure intumescent fire paint (Refer to FR Drawings for rating references) ; M & E INSTALLATIONS; Supply, installation, testing and commissioning of the following plant, equipment, fittings, accessories and controls, to be installed within packaged plant room / fuel store structures, to include Biomass Boiler & Flue, Biomass Fuel Conveyor & Silo/ Store & Auger, LPHW Pumpsets, LPHW Buffer Vessel, Pressurisation units & expansion vessels, Plate heat exchangers, Pipework and Detailing, Fire Extinguishers, General and Emergency Lighting, Fire Alarm Devices incl Carbon Monoxide Sensors, Electrical Containment, Building Management System including MCC Panel and Communication Protocol controller which will interface with School BMS i.e Modbus/BacNet; All plant, equipment, fittings and distribution to be fully insulated					

	Description	Qty	Unit	Rate	€	c
	as per the specification requirements, and all circuits to be fully labelled; Contractor to refer to Schematic Drawings A1203-2.X-B -ME900-BIO-T0, and A1203-2.X-B -ME901-BIO-T0 for all systems, plant, equipment, fittings and accessories to be included in these packaged plant rooms and allowed for here					
A	minimum Biomass Boiler Capacity to deliver the following thermal output at 90°C flow temperature: 300kW; overall dimensions as per Architetcs Drawings AGP-AR-2000 - Sections, Plans and Elevations		item			
	MECHANICAL COMPONENTS					
B	Packaged Plant Room and Fuel Stores; Mechanical Elements; The Appointed Biomass Contractor shall be responsible for the supply installation testing and commissioning of all mechanical systems required as part of this contract, to Biomass Cabins, and Fuel Stores. Services 'Hook-ups' will be provided to the appointed Biomass Contractor by the 'Heating Upgrade and Enabling Works Contractor' appointed under a separate contract, i.e. Heating F &R Pipework, and Cold Water Supply pipework. It is the responsibility of the Biomass Contractor to co-ordinate manage these connection points and interfaces with regards to where they enter the Packaged Plant Rooms, together with a detailed drawing outlining this exact information early in the process, in line with the Works Requirements, affecting all Mechanical Components required and as detailed on the CRA Drawings, Schematics and Specification		item			

	Description	Qty	Unit	Rate	€	c
	ELECTRICAL COMPONENTS					
A	Packaged Plant Room and Fuel Stores; Electrical Elements; The Appointed Biomass Contractor shall be responsible for the supply installation testing and commissioning of all electrical systems required as part of this contract, to Biomass Cabins, and Fuel Stores. Services 'Hook-ups' will be provided to the appointed Biomass Contractor by the 'Heating Upgrade and Enabling Works Contractor' appointed under a separate contract, i.e. Electrical Power Supply, Fire Alarm Interface, Mechanical Plant Wiring including BMS Interface to School, for incorporation into the unit package. It is the responsibility of the Biomass Contractor to co-ordinate and manage these connection points and interfaces with regards to where they enter the Packaged Plant Rooms, together with a detailed drawing outlining this exact information early in the process, in line with the Works Requirements, affecting all Electrical Components required and as detailed on the CRA Drawings, Schematics and Specification		item			
	Additional Items; Notwithstanding the items listed in the Preliminaries Section of the Pricing Document, the following elements are expressly included under the PPR package: -					
B	Transportation of Biomass PPR and Fuel Store to Site		item			
C	Lifting and Cranage of Biomass PPR into the proposed location		item			

	Description	Qty	Unit	Rate	€	c
A	Testing and commissioning of the Biomass Plant off-site and post-delivery; All systems shall be tested for leaks to a test pressure at 130% of the quoted maximum operating pressure prior to delivery and post-delivery prior to commissioning stage. Calibration certs shall be provided for testing equipment Pressure testing and flushing shall include for all heating and water services equipment; All M&E systems shall be tested and certification provided prior to delivery to site; Once Biomass plant is delivered, the Biomass plant shall be re-tested once permanently made live onsite; Biomass contractor shall be include for 3no. visits per school during Heating Upgrade contractor works to support the commissioning of the M&E systems.		item			
B	All Biomass Plant shall comply with EcoDesign and Triple E Register		item			
C	Prior to manufacture, vendor shall provide full technical submittal for PPR including technical datasheets including DoP and CE marking, plantroom layout and schematic drawings for the Biomass systems		item			
D	PPR vendor shall provide BCAR Cs and Ancillary Certifications for Design, Installation and Completion (Sd, Si and Sc)		item			
E	Support and assist in the Support Scheme for Renewable Heat (SSRH) application form and submit to SEAI		item			
F	Undertake the SSRH post installation and inspection progress including providing 5years Design Warranty, 5years Product Warranty and 5years Installation Warranty		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	Act as the Energy Supply Company (ESCO), who will manage, maintain and provide the fuel and provide thermal heat energy back to the school for 15years. The Biomass Plant shall be owned by the Department of Education (DoEY) (CONTRACT B)		item			
B	Biomass Plant and Biomass Fuel shall be in full compliance with SEAI SSRH		item			
C	The PPR Manufacturer shall confirm in writing: The External Finishes; material, colour, etc. for their issue to the relevant planning authority, Type of biomass fuel to be used, Storage and disposal proposals for ash, Details of any emissions to air associated with operation of the proposed development and proposed mitigation measures for same. (refer to Boiler Flue Section within the CRA specification for details of Gaussian Plume Model or equivalent required)		item			
D	Provision of mechanical flushing and pressure test certs, including calibration certs, or all PPR delivered to site		item			
E	Submission of full detailed quality assurance (QA) packs for all PPR; must detail quality checks and photographs throughout the main manufacturing stages as detailed in the CRA specification Section 3.11.6; uploaded onto a cloud data environment and are to be available throughout the entire process; Upon completion, O&M packs are to be handed over to the client and must contain the applicable QA checks		item			
F	Packaged plant rooms to leave factory fully water sealed and protected from water ingress and with protective sheeting on the outside		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	Contractor shall ensure all necessary ancillary certification is provided for the final PPR installations (Ancillary certification of compliance of completion (Cs) and Engineers Ireland Sd, Si and Sc certs) for BCAR purposes		item			
B	The noise emission from the PPR cabin should not exceed 43db(A) during normall operation as measured from the nearest site boundary. The contractor is to allow for carrying out and documenting this test, with the Engineer or Engineer's representative witnessing this test, as part of the demonstrations.		item			
	BIOMASS CONSUMABLES - SPARES					
	Tenderers to price these biomass consumables ("hospital kit") and storage within cabin / school boilerhouse					
	The Contractor is to allow for the removal, disposal of, and replacement of the following consumable biomass components (to be done at a later stage as required by the biomass contractor) within the time period of the Local Energy Supply Contract. The Contractor shall include all costs of and the totals of each component listed below to include all necessary attendances (both general and special), all in accordance with the manufacturers specifications and requirements					
C	T Controller Main Screen		item			
D	Boiler Main PCB		item			
E	ID Fan		item			
F	Stroker Auguer		item			
G	Ash Screw		item			

	Description	Qty	Unit	Rate	€	c
A	Grate Element		item			
B	Upper Combustion Chamber Ceramics		item			
C	Circulating Pumps		item			
D	Heating Mixing Valve		item			
	(58) (68) OTHER SERVICES(MAINLY PIPED AND DUCTED)					
	MECHANICAL & ELECTRICAL INSTALLATIONS: Sundries And Builders Work					
	Craneage					
E	The PPR Manufacturer shall supply organise and coordinate a crane for the purposes of installing the Biomass Cabin and associated flue; The best effort has been made to identify a route for the crane (typically an 80 Tonne Crane) and is indicated on the site layout plan. This route is indicative for information purposes and the PRR Manufacturer should satisfy themselves that a suitable crane can access the proposed location of the Biomass Cabin and can achieve the "reach" as estimated on the site drawings, ie the "reach" may be longer or shorter; as per Service Engineer Specifcation Section 3.4 in particular and drawings A1203-2.X-B-BC01-BIO-T0 Site Layout(s)		item			
	Unloading, Lifting and Hoisting					
F	The PPR Manufacturer shall supply organise and coordinate plant and labour for off-loading, distribution and handling of equipment to point of storage and final position		item			
	General Attendances					
G	Allow for all general attendances		item			

	Description	Qty	Unit	Rate	€	c
	Special Attendances					
A	Allow for all special attendances		item			
				To Collection €		

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/78					
Page No. BQ/79					
Page No. BQ/80					
Page No. BQ/81					
Page No. BQ/82					
Page No. BQ/83					
Page No. BQ/84					
Page No. BQ/85					
Page No. BQ/86					
Page No. BQ/87					
Page No. BQ/88					
2.3 Ashbourne Community School Meath (91495T) **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	2.4 Loreto Secondary School Meath (64370T)					
	(59) MECHANICAL INSTALLATIONS					
	(51) HEATING CENTRE					
	SYSTEM					
	Heating installations; BIOMASS Heating System; include for all costs associated with Heating installations to all equipment, fittings, accessories etc itemised elsewhere in this element					
A	All as per CRA Service Engineers Documents including A1203-2.X-B-BC01-BIO-T0 Site Layout (Indicating the Biomass Cabin Location, Potential crane location, Crane lifting distance, Crane / Cabin access route; A1203-2.X-B -ME900-BIO-T0 Mechanical Plant Schematic of Biomass Cabin (Indicating Linkages to Building's Heating System; A1203-2.X-B -ME901-BIO-T0 Controls Schematic of Biomass Cabin; and AGP Architectural Drawings Fire Safety Cert Drawings and AGP Set of Planning Drawing (AGP-AR-1000 OSI Maps, AGP-AR-1010 Historical Maps, AGP-AR-1100 Site Plans, AGP-AR-2000 - Sections, Plans and Elevations)		item			
	PACKAGED PLANT UNITS (BIOMASS CABIN & FUEL STORE)					
B	The Packaged Plant Room (PPR) manufacturer shall refer to the CRA and Architects drawings for all plant room design information and shall coordinate with all relevant contractors prior to the commencement of PPR fabrication		note			
C	Biomass boilers must meet the minimum performance requirements laid out in Commission Regulation (EU) 2015/1189 of 28 April 2015 and Directive 2009/125/EC of the European Parliament and of the European Council		note			

	Description	Qty	Unit	Rate	€	c
A	The Biomass contractor and PPR specialist shall be responsible for co-ordination between one another, on programme and manufacturing. Biomass contractor to confirm all dimensions and weights prior to the commencement of PPR manufacturing to allow adequate space and set out for the equipment and plant included in this contract as part of this PPR Item; Biomass contractor responsible for co-ordination with the Enabling Works Contractor (Separate Appointment/ Contract) regarding physical connection interface, access to the works and regarding programme and procurement of the PPRs in the context of the overall heating upgrade works programme at each school.		item			
				To Collection €		

Description	Qty	Unit	Rate	€	c
Supply, design, manufacture, delivery, installation and commissioning of a Packaged Plant Room and adjacent Fuel Store; to be designed and manufactured by Biomass Contractor to ISO 9001, ISO 14001 & ISO 45001 standards; PPR & Fuel store structure shall be in accordance with EN1090-1 :2009+A1:2012, CE marked. To include design, supply and installation of M&E services supports & bracketry systems as necessary (inc any plinths & proprietary support systems for Mechanical and Electrical installations) including anchor systems and metal framing supports etc. as required, including necessary flue support; Units shall be constructed of a steel frame and panel make-up; Kingspan Quadcore KS1100CS or equivalent Coldstore Panel (175mm thick) to external walls to achieve 60min fire rating (Integrity & Insulation requirements); where 90min fire rated components are shown on AGP Fire drawings; Kingspan Quadcore KS1100CS or equivalent Coldstore Panel (220mm thick) required to external walls to achieve 90min fire rating (Integrity & Insulation requirements); Roof; Single pitch QuadCore KS1000RW or equivalent LEC Roof Panels to the fire rating specified on the Fire Drawings, to be in accordance with I.S. EN 13501-5 & must have a minimum reaction to fire classification of BROOF(t4), to include all proprietary flashings and fixings complete; Fire rated Doors; Double Powder Coated Mild Steel Louvre panelled doors with insect mesh and frames (Aluminium frame and sheet) c/w hardware, seals, with Security Lock system and internal emergency release system; Single personnel door(s) where indicated in Double Powder Coated Mild Steel ; External walls, including doors and vents, of the boiler house and					

Description	Qty	Unit	Rate	€	c
fuel store shall be fire resistance to BS 476-22 or EN equivalent to 100% of the area on all sides of the elevations independently; (Refer to FR Drawings for rating references); Rainwater goods to be aluminium, circular section down pipes, and half round gutters, 100mm diameter ; Floor, in aluminium chequer plate; Unit Base; hot dipped galvanised structural steel frames / bases designed in accordance with Eurocode 3 (EN 1993) and the associated Irish National Annexes; with lifting hooks/ points to facilitate off-loading by crane and hoisting into the desired plant location (to be stress-tested prior); base to have a minimum of 8nr adjustable and lockable leg supports for levelling each unit; structural steel frame and components around biomass boiler enclosure to be coated with intumescent fire paint ; structural steel framing around wood pellet silo enclosure intumescent fire paint (Refer to FR Drawings for rating references) ; M & E INSTALLATIONS; Supply, installation, testing and commissioning of the following plant, equipment, fittings, accessories and controls, to be installed within packaged plant room / fuel store structures, to include Biomass Boiler & Flue, Biomass Fuel Conveyor & Silo/ Store & Auger, LPHW Pumpsets, LPHW Buffer Vessel, Pressurisation units & expansion vessels, Plate heat exchangers, Pipework and Detailing, Fire Extinguishers, General and Emergency Lighting, Fire Alarm Devices incl Carbon Monoxide Sensors, Electrical Containment, Building Management System including MCC Panel and Communication Protocol controller which will interface with School BMS i.e Modbus/BacNet; All plant, equipment, fittings and distribution to be fully insulated					

	Description	Qty	Unit	Rate	€	c
	as per the specification requirements, and all circuits to be fully labelled; Contractor to refer to Schematic Drawings A1203-2.X-B -ME900-BIO-T0, and A1203-2.X-B -ME901-BIO-T0 for all systems, plant, equipment, fittings and accessories to be included in these packaged plant rooms and allowed for here					
A	minimum Biomass Boiler Capacity to deliver the following thermal output at 90°C flow temperature: 200kW; overall dimensions as per Architetcs Drawings AGP-AR-2000 - Sections, Plans and Elevations		item			
	MECHANICAL COMPONENTS					
B	Packaged Plant Room and Fuel Stores; Mechanical Elements; The Appointed Biomass Contractor shall be responsible for the supply installation testing and commissioning of all mechanical systems required as part of this contract, to Biomass Cabins, and Fuel Stores. Services 'Hook-ups' will be provided to the appointed Biomass Contractor by the 'Heating Upgrade and Enabling Works Contractor' appointed under a separate contract, i.e. Heating F &R Pipework, and Cold Water Supply pipework. It is the responsibility of the Biomass Contractor to co-ordinate manage these connection points and interfaces with regards to where they enter the Packaged Plant Rooms, together with a detailed drawing outlining this exact information early in the process, in line with the Works Requirements, affecting all Mechanical Components required and as detailed on the CRA Drawings, Schematics and Specification		item			

	Description	Qty	Unit	Rate	€	c
	ELECTRICAL COMPONENTS					
A	Packaged Plant Room and Fuel Stores; Electrical Elements; The Appointed Biomass Contractor shall be responsible for the supply installation testing and commissioning of all electrical systems required as part of this contract, to Biomass Cabins, and Fuel Stores. Services 'Hook-ups' will be provided to the appointed Biomass Contractor by the 'Heating Upgrade and Enabling Works Contractor' appointed under a separate contract, i.e. Electrical Power Supply, Fire Alarm Interface, Mechanical Plant Wiring including BMS Interface to School, for incorporation into the unit package. It is the responsibility of the Biomass Contractor to co-ordinate and manage these connection points and interfaces with regards to where they enter the Packaged Plant Rooms, together with a detailed drawing outlining this exact information early in the process, in line with the Works Requirements, affecting all Electrical Components required and as detailed on the CRA Drawings, Schematics and Specification		item			
	Additional Items; Notwithstanding the items listed in the Preliminaries Section of the Pricing Document, the following elements are expressly included under the PPR package: -					
B	Transportation of Biomass PPR and Fuel Store to Site		item			
C	Lifting and Cranage of Biomass PPR into the proposed location		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	Testing and commissioning of the Biomass Plant off-site and post-delivery; All systems shall be tested for leaks to a test pressure at 130% of the quoted maximum operating pressure prior to delivery and post-delivery prior to commissioning stage. Calibration certs shall be provided for testing equipment Pressure testing and flushing shall include for all heating and water services equipment; All M&E systems shall be tested and certification provided prior to delivery to site; Once Biomass plant is delivered, the Biomass plant shall be re-tested once permanently made live onsite; Biomass contractor shall be include for 3no. visits per school during Heating Upgrade contractor works to support the commissioning of the M&E systems.		item			
B	All Biomass Plant shall comply with EcoDesign and Triple E Register		item			
C	Prior to manufacture, vendor shall provide full technical submittal for PPR including technical datasheets including DoP and CE marking, plantroom layout and schematic drawings for the Biomass systems		item			
D	PPR vendor shall provide BCAR Cs and Ancillary Certifications for Design, Installation and Completion (Sd, Si and Sc)		item			
E	Support and assist in the Support Scheme for Renewable Heat (SSRH) application form and submit to SEAI		item			
F	Undertake the SSRH post installation and inspection progress including providing 5years Design Warranty, 5years Product Warranty and 5years Installation Warranty		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	Act as the Energy Supply Company (ESCO), who will manage, maintain and provide the fuel and provide thermal heat energy back to the school for 15years. The Biomass Plant shall be owned by the Department of Education (DoEY) (CONTRACT B)		item			
B	Biomass Plant and Biomass Fuel shall be in full compliance with SEAI SSRH		item			
C	The PPR Manufacturer shall confirm in writing: The External Finishes; material, colour, etc. for their issue to the relevant planning authority, Type of biomass fuel to be used, Storage and disposal proposals for ash, Details of any emissions to air associated with operation of the proposed development and proposed mitigation measures for same. (refer to Boiler Flue Section within the CRA specification for details of Gaussian Plume Model or equivalent required)		item			
D	Provision of mechanical flushing and pressure test certs, including calibration certs, or all PPR delivered to site		item			
E	Submission of full detailed quality assurance (QA) packs for all PPR; must detail quality checks and photographs throughout the main manufacturing stages as detailed in the CRA specification Section 3.11.6; uploaded onto a cloud data environment and are to be available throughout the entire process; Upon completion, O&M packs are to be handed over to the client and must contain the applicable QA checks		item			
F	Packaged plant rooms to leave factory fully water sealed and protected from water ingress and with protective sheeting on the outside		item			

	Description	Qty	Unit	Rate	€	c
A	Contractor shall ensure all necessary ancillary certification is provided for the final PPR installations (Ancillary certification of compliance of completion (Cs) and Engineers Ireland Sd, Si and Sc certs) for BCAR purposes		item			
B	The noise emission from the PPR cabin should not exceed 43db(A) during normall operation as measured from the nearest site boundary. The contractor is to allow for carrying out and documenting this test, with the Engineer or Engineer's representative witnessing this test, as part of the demonstrations.		item			
	BIOMASS CONSUMABLES - SPARES					
	Tenderers to price these biomass consumables ("hospital kit") and storage within cabin / school boilerhouse					
	The Contractor is to allow for the removal, disposal of, and replacement of the following consumable biomass components (to be done at a later stage as required by the biomass contractor) within the time period of the Local Energy Supply Contract. The Contractor shall include all costs of and the totals of each component listed below to include all necessary attendances (both general and special), all in accordance with the manufacturers specifications and requirements					
C	T Controller Main Screen		item			
D	Boiler Main PCB		item			
E	ID Fan		item			
F	Stroker Auguer		item			
G	Ash Screw		item			

	Description	Qty	Unit	Rate	€	c
A	Grate Element		item			
B	Upper Combustion Chamber Ceramics		item			
C	Circulating Pumps		item			
D	Heating Mixing Valve		item			
	(58) (68) OTHER SERVICES(MAINLY PIPED AND DUCTED)					
	MECHANICAL & ELECTRICAL INSTALLATIONS: Sundries And Builders Work					
	Craneage					
E	The PPR Manufacturer shall supply organise and coordinate a crane for the purposes of installing the Biomass Cabin and associated flue; The best effort has been made to identify a route for the crane (typically an 80 Tonne Crane) and is indicated on the site layout plan. This route is indicative for information purposes and the PRR Manufacturer should satisfy themselves that a suitable crane can access the proposed location of the Biomass Cabin and can achieve the "reach" as estimated on the site drawings, ie the "reach" may be longer or shorter; as per Service Engineer Specifcation Section 3.4 in particular and drawings A1203-2.X-B-BC01-BIO-T0 Site Layout(s)		item			
	Unloading, Lifting and Hoisting					
F	The PPR Manufacturer shall supply organise and coordinate plant and labour for off-loading, distribution and handling of equipment to point of storage and final position		item			
	General Attendances					
G	Allow for all general attendances		item			

	Description	Qty	Unit	Rate	€	c
	Special Attendances					
A	Allow for all special attendances		item			

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/90					
Page No. BQ/91					
Page No. BQ/92					
Page No. BQ/93					
Page No. BQ/94					
Page No. BQ/95					
Page No. BQ/96					
Page No. BQ/97					
Page No. BQ/98					
Page No. BQ/99					
Page No. BQ/100					
2.4 Loreto Secondary School Meath (64370T) **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	2.5 Bush Post Primary School Louth (71750U)					
	(59) MECHANICAL INSTALLATIONS					
	(51) HEATING CENTRE					
	SYSTEM					
	Heating installations; BIOMASS Heating System; include for all costs associated with Heating installations to all equipment, fittings, accessories etc itemised elsewhere in this element					
A	All as per CRA Service Engineers Documents including A1203-2.X-B-BC01-BIO-T0 Site Layout (Indicating the Biomass Cabin Location, Potential crane location, Crane lifting distance, Crane / Cabin access route; A1203-2.X-B -ME900-BIO-T0 Mechanical Plant Schematic of Biomass Cabin (Indicating Linkages to Building's Heating System; A1203-2.X-B -ME901-BIO-T0 Controls Schematic of Biomass Cabin; and AGP Architectural Drawings Fire Safety Cert Drawings and AGP Set of Planning Drawing (AGP-AR-1000 OSI Maps, AGP-AR-1010 Historical Maps, AGP-AR-1100 Site Plans, AGP-AR-2000 - Sections, Plans and Elevations)		item			
	PACKAGED PLANT UNITS (BIOMASS CABIN & FUEL STORE)					
B	The Packaged Plant Room (PPR) manufacturer shall refer to the CRA and Architects drawings for all plant room design information and shall coordinate with all relevant contractors prior to the commencement of PPR fabrication		note			
C	Biomass boilers must meet the minimum performance requirements laid out in Commission Regulation (EU) 2015/1189 of 28 April 2015 and Directive 2009/125/EC of the European Parliament and of the European Council		note			

	Description	Qty	Unit	Rate	€	c
A	The Biomass contractor and PPR specialist shall be responsible for co-ordination between one another, on programme and manufacturing. Biomass contractor to confirm all dimensions and weights prior to the commencement of PPR manufacturing to allow adequate space and set out for the equipment and plant included in this contract as part of this PPR Item; Biomass contractor responsible for co-ordination with the Enabling Works Contractor (Separate Appointment/ Contract) regarding physical connection interface, access to the works and regarding programme and procurement of the PPRs in the context of the overall heating upgrade works programme at each school.		item			
				To Collection €		

Description	Qty	Unit	Rate	€	c
Supply, design, manufacture, delivery, installation and commissioning of a Packaged Plant Room and adjacent Fuel Store; to be designed and manufactured by Biomass Contractor to ISO 9001, ISO 14001 & ISO 45001 standards; PPR & Fuel store structure shall be in accordance with EN1090-1 :2009+A1:2012, CE marked. To include design, supply and installation of M&E services supports & bracketry systems as necessary (inc any plinths & proprietary support systems for Mechanical and Electrical installations) including anchor systems and metal framing supports etc. as required, including necessary flue support; Units shall be constructed of a steel frame and panel make-up; Kingspan Quadcore KS1100CS or equivalent Coldstore Panel (175mm thick) to external walls to achieve 60min fire rating (Integrity & Insulation requirements); where 90min fire rated components are shown on AGP Fire drawings; Kingspan Quadcore KS1100CS or equivalent Coldstore Panel (220mm thick) required to external walls to achieve 90min fire rating (Integrity & Insulation requirements); Roof; Single pitch QuadCore KS1000RW or equivalent LEC Roof Panels to the fire rating specified on the Fire Drawings, to be in accordance with I.S. EN 13501-5 & must have a minimum reaction to fire classification of BROOF(t4), to include all proprietary flashings and fixings complete; Fire rated Doors; Double Powder Coated Mild Steel Louvre panelled doors with insect mesh and frames (Aluminium frame and sheet) c/w hardware, seals, with Security Lock system and internal emergency release system; Single personnel door(s) where indicated in Double Powder Coated Mild Steel ; External walls, including doors and vents, of the boiler house and					

Description	Qty	Unit	Rate	€	c
fuel store shall be fire resistance to BS 476-22 or EN equivalent to 100% of the area on all sides of the elevations independently; (Refer to FR Drawings for rating references); Rainwater goods to be aluminium, circular section down pipes, and half round gutters, 100mm diameter ; Floor, in aluminium chequer plate; Unit Base; hot dipped galvanised structural steel frames / bases designed in accordance with Eurocode 3 (EN 1993) and the associated Irish National Annexes; with lifting hooks/ points to facilitate off-loading by crane and hoisting into the desired plant location (to be stress-tested prior); base to have a minimum of 8nr adjustable and lockable leg supports for levelling each unit; structural steel frame and components around biomass boiler enclosure to be coated with intumescent fire paint ; structural steel framing around wood pellet silo enclosure intumescent fire paint (Refer to FR Drawings for rating references) ; M & E INSTALLATIONS; Supply, installation, testing and commissioning of the following plant, equipment, fittings, accessories and controls, to be installed within packaged plant room / fuel store structures, to include Biomass Boiler & Flue, Biomass Fuel Conveyor & Silo/ Store & Auger, LPHW Pumpsets, LPHW Buffer Vessel, Pressurisation units & expansion vessels, Plate heat exchangers, Pipework and Detailing, Fire Extinguishers, General and Emergency Lighting, Fire Alarm Devices incl Carbon Monoxide Sensors, Electrical Containment, Building Management System including MCC Panel and Communication Protocol controller which will interface with School BMS i.e Modbus/BacNet; All plant, equipment, fittings and distribution to be fully insulated					

	Description	Qty	Unit	Rate	€	c
	as per the specification requirements, and all circuits to be fully labelled; Contractor to refer to Schematic Drawings A1203-2.X-B -ME900-BIO-T0, and A1203-2.X-B -ME901-BIO-T0 for all systems, plant, equipment, fittings and accessories to be included in these packaged plant rooms and allowed for here					
A	minimum Biomass Boiler Capacity to deliver the following thermal output at 90°C flow temperature: 200kW; overall dimensions as per Architetcs Drawings AGP-AR-2000 - Sections, Plans and Elevations		item			
	MECHANICAL COMPONENTS					
B	Packaged Plant Room and Fuel Stores; Mechanical Elements; The Appointed Biomass Contractor shall be responsible for the supply installation testing and commissioning of all mechanical systems required as part of this contract, to Biomass Cabins, and Fuel Stores. Services 'Hook-ups' will be provided to the appointed Biomass Contractor by the 'Heating Upgrade and Enabling Works Contractor' appointed under a separate contract, i.e. Heating F &R Pipework, and Cold Water Supply pipework. It is the responsibility of the Biomass Contractor to co-ordinate manage these connection points and interfaces with regards to where they enter the Packaged Plant Rooms, together with a detailed drawing outlining this exact information early in the process, in line with the Works Requirements, affecting all Mechanical Components required and as detailed on the CRA Drawings, Schematics and Specification		item			

	Description	Qty	Unit	Rate	€	c
	ELECTRICAL COMPONENTS					
A	Packaged Plant Room and Fuel Stores; Electrical Elements; The Appointed Biomass Contractor shall be responsible for the supply installation testing and commissioning of all electrical systems required as part of this contract, to Biomass Cabins, and Fuel Stores. Services 'Hook-ups' will be provided to the appointed Biomass Contractor by the 'Heating Upgrade and Enabling Works Contractor' appointed under a separate contract, i.e. Electrical Power Supply, Fire Alarm Interface, Mechanical Plant Wiring including BMS Interface to School, for incorporation into the unit package. It is the responsibility of the Biomass Contractor to co-ordinate and manage these connection points and interfaces with regards to where they enter the Packaged Plant Rooms, together with a detailed drawing outlining this exact information early in the process, in line with the Works Requirements, affecting all Electrical Components required and as detailed on the CRA Drawings, Schematics and Specification		item			
	Additional Items; Notwithstanding the items listed in the Preliminaries Section of the Pricing Document, the following elements are expressly included under the PPR package: -					
B	Transportation of Biomass PPR and Fuel Store to Site		item			
C	Lifting and Cranage of Biomass PPR into the proposed location		item			

	Description	Qty	Unit	Rate	€	c
A	Testing and commissioning of the Biomass Plant off-site and post-delivery; All systems shall be tested for leaks to a test pressure at 130% of the quoted maximum operating pressure prior to delivery and post-delivery prior to commissioning stage. Calibration certs shall be provided for testing equipment Pressure testing and flushing shall include for all heating and water services equipment; All M&E systems shall be tested and certification provided prior to delivery to site; Once Biomass plant is delivered, the Biomass plant shall be re-tested once permanently made live onsite; Biomass contractor shall be include for 3no. visits per school during Heating Upgrade contractor works to support the commissioning of the M&E systems.		item			
B	All Biomass Plant shall comply with EcoDesign and Triple E Register		item			
C	Prior to manufacture, vendor shall provide full technical submittal for PPR including technical datasheets including DoP and CE marking, plantroom layout and schematic drawings for the Biomass systems		item			
D	PPR vendor shall provide BCAR Cs and Ancillary Certifications for Design, Installation and Completion (Sd, Si and Sc)		item			
E	Support and assist in the Support Scheme for Renewable Heat (SSRH) application form and submit to SEAI		item			
F	Undertake the SSRH post installation and inspection progress including providing 5years Design Warranty, 5years Product Warranty and 5years Installation Warranty		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	Act as the Energy Supply Company (ESCO), who will manage, maintain and provide the fuel and provide thermal heat energy back to the school for 15years. The Biomass Plant shall be owned by the Department of Education (DoEY) (CONTRACT B)		item			
B	Biomass Plant and Biomass Fuel shall be in full compliance with SEAI SSRH		item			
C	The PPR Manufacturer shall confirm in writing: The External Finishes; material, colour, etc. for their issue to the relevant planning authority, Type of biomass fuel to be used, Storage and disposal proposals for ash, Details of any emissions to air associated with operation of the proposed development and proposed mitigation measures for same. (refer to Boiler Flue Section within the CRA specification for details of Gaussian Plume Model or equivalent required)		item			
D	Provision of mechanical flushing and pressure test certs, including calibration certs, or all PPR delivered to site		item			
E	Submission of full detailed quality assurance (QA) packs for all PPR; must detail quality checks and photographs throughout the main manufacturing stages as detailed in the CRA specification Section 3.11.6; uploaded onto a cloud data environment and are to be available throughout the entire process; Upon completion, O&M packs are to be handed over to the client and must contain the applicable QA checks		item			
F	Packaged plant rooms to leave factory fully water sealed and protected from water ingress and with protective sheeting on the outside		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	Contractor shall ensure all necessary ancillary certification is provided for the final PPR installations (Ancillary certification of compliance of completion (Cs) and Engineers Ireland Sd, Si and Sc certs) for BCAR purposes		item			
B	The noise emission from the PPR cabin should not exceed 43db(A) during normall operation as measured from the nearest site boundary. The contractor is to allow for carrying out and documenting this test, with the Engineer or Engineer's representative witnessing this test, as part of the demonstrations.		item			
	BIOMASS CONSUMABLES - SPARES					
	Tenderers to price these biomass consumables ("hospital kit") and storage within cabin / school boilerhouse					
	The Contractor is to allow for the removal, disposal of, and replacement of the following consumable biomass components (to be done at a later stage as required by the biomass contractor) within the time period of the Local Energy Supply Contract. The Contractor shall include all costs of and the totals of each component listed below to include all necessary attendances (both general and special), all in accordance with the manufacturers specifications and requirements					
C	T Controller Main Screen		item			
D	Boiler Main PCB		item			
E	ID Fan		item			
F	Stroker Auguer		item			
G	Ash Screw		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	Grate Element		item			
B	Upper Combustion Chamber Ceramics		item			
C	Circulating Pumps		item			
D	Heating Mixing Valve		item			
	(58) (68) OTHER SERVICES(MAINLY PIPED AND DUCTED)					
	MECHANICAL & ELECTRICAL INSTALLATIONS: Sundries And Builders Work					
	Craneage					
E	The PPR Manufacturer shall supply organise and coordinate a crane for the purposes of installing the Biomass Cabin and associated flue; The best effort has been made to identify a route for the crane (typically an 80 Tonne Crane) and is indicated on the site layout plan. This route is indicative for information purposes and the PRR Manufacturer should satisfy themselves that a suitable crane can access the proposed location of the Biomass Cabin and can achieve the "reach" as estimated on the site drawings, ie the "reach" may be longer or shorter; as per Service Engineer Specifcation Section 3.4 in particular and drawings A1203-2.X-B-BC01-BIO-T0 Site Layout(s)		item			
	Unloading, Lifting and Hoisting					
F	The PPR Manufacturer shall supply organise and coordinate plant and labour for off-loading, distribution and handling of equipment to point of storage and final position		item			
	General Attendances					
G	Allow for all general attendances		item			

	Description	Qty	Unit	Rate	€	c
	Special Attendances					
A	Allow for all special attendances		item			

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/102					
Page No. BQ/103					
Page No. BQ/104					
Page No. BQ/105					
Page No. BQ/106					
Page No. BQ/107					
Page No. BQ/108					
Page No. BQ/109					
Page No. BQ/110					
Page No. BQ/111					
Page No. BQ/112					
2.5 Bush Post Primary School Louth (71750U) **Carried to Summary**					

	Description	Qty	Unit	Rate	€	c
	2.6 St. Peters College Meath (71950F)					
	(59) MECHANICAL INSTALLATIONS					
	(51) HEATING CENTRE					
	SYSTEM					
	Heating installations; BIOMASS Heating System; include for all costs associated with Heating installations to all equipment, fittings, accessories etc itemised elsewhere in this element					
A	All as per CRA Service Engineers Documents including A1203-2.X-B-BC01-BIO-T0 Site Layout (Indicating the Biomass Cabin Location, Potential crane location, Crane lifting distance, Crane / Cabin access route; A1203-2.X-B -ME900-BIO-T0 Mechanical Plant Schematic of Biomass Cabin (Indicating Linkages to Building's Heating System; A1203-2.X-B -ME901-BIO-T0 Controls Schematic of Biomass Cabin; and AGP Architectural Drawings Fire Safety Cert Drawings and AGP Set of Planning Drawing (AGP-AR-1000 OSI Maps, AGP-AR-1010 Historical Maps, AGP-AR-1100 Site Plans, AGP-AR-2000 - Sections, Plans and Elevations)		item			
	PACKAGED PLANT UNITS (BIOMASS CABIN & FUEL STORE)					
B	The Packaged Plant Room (PPR) manufacturer shall refer to the CRA and Architects drawings for all plant room design information and shall coordinate with all relevant contractors prior to the commencement of PPR fabrication		note			
C	Biomass boilers must meet the minimum performance requirements laid out in Commission Regulation (EU) 2015/1189 of 28 April 2015 and Directive 2009/125/EC of the European Parliament and of the European Council		note			

	Description	Qty	Unit	Rate	€	c
A	The Biomass contractor and PPR specialist shall be responsible for co-ordination between one another, on programme and manufacturing. Biomass contractor to confirm all dimensions and weights prior to the commencement of PPR manufacturing to allow adequate space and set out for the equipment and plant included in this contract as part of this PPR Item; Biomass contractor responsible for co-ordination with the Enabling Works Contractor (Separate Appointment/ Contract) regarding physical connection interface, access to the works and regarding programme and procurement of the PPRs in the context of the overall heating upgrade works programme at each school.		item			
				To Collection €		

Description	Qty	Unit	Rate	€	c
Supply, design, manufacture, delivery, installation and commissioning of a Packaged Plant Room and adjacent Fuel Store; to be designed and manufactured by Biomass Contractor to ISO 9001, ISO 14001 & ISO 45001 standards; PPR & Fuel store structure shall be in accordance with EN1090-1 :2009+A1:2012, CE marked. To include design, supply and installation of M&E services supports & bracketry systems as necessary (inc any plinths & proprietary support systems for Mechanical and Electrical installations) including anchor systems and metal framing supports etc. as required, including necessary flue support; Units shall be constructed of a steel frame and panel make-up; Kingspan Quadcore KS1100CS or equivalent Coldstore Panel (175mm thick) to external walls to achieve 60min fire rating (Integrity & Insulation requirements); where 90min fire rated components are shown on AGP Fire drawings; Kingspan Quadcore KS1100CS or equivalent Coldstore Panel (220mm thick) required to external walls to achieve 90min fire rating (Integrity & Insulation requirements); Roof; Single pitch QuadCore KS1000RW or equivalent LEC Roof Panels to the fire rating specified on the Fire Drawings, to be in accordance with I.S. EN 13501-5 & must have a minimum reaction to fire classification of BROOF(t4), to include all proprietary flashings and fixings complete; Fire rated Doors; Double Powder Coated Mild Steel Louvre panelled doors with insect mesh and frames (Aluminium frame and sheet) c/w hardware, seals, with Security Lock system and internal emergency release system; Single personnel door(s) where indicated in Double Powder Coated Mild Steel ; External walls, including doors and vents, of the boiler house and					

Description	Qty	Unit	Rate	€	c
fuel store shall be fire resistance to BS 476-22 or EN equivalent to 100% of the area on all sides of the elevations independently; (Refer to FR Drawings for rating references); Rainwater goods to be aluminium, circular section down pipes, and half round gutters, 100mm diameter ; Floor, in aluminium chequer plate; Unit Base; hot dipped galvanised structural steel frames / bases designed in accordance with Eurocode 3 (EN 1993) and the associated Irish National Annexes; with lifting hooks/ points to facilitate off-loading by crane and hoisting into the desired plant location (to be stress-tested prior); base to have a minimum of 8nr adjustable and lockable leg supports for levelling each unit; structural steel frame and components around biomass boiler enclosure to be coated with intumescent fire paint ; structural steel framing around wood pellet silo enclosure intumescent fire paint (Refer to FR Drawings for rating references) ; M & E INSTALLATIONS; Supply, installation, testing and commissioning of the following plant, equipment, fittings, accessories and controls, to be installed within packaged plant room / fuel store structures, to include Biomass Boiler & Flue, Biomass Fuel Conveyor & Silo/ Store & Auger, LPHW Pumpsets, LPHW Buffer Vessel, Pressurisation units & expansion vessels, Plate heat exchangers, Pipework and Detailing, Fire Extinguishers, General and Emergency Lighting, Fire Alarm Devices incl Carbon Monoxide Sensors, Electrical Containment, Building Management System including MCC Panel and Communication Protocol controller which will interface with School BMS i.e Modbus/BacNet; All plant, equipment, fittings and distribution to be fully insulated					

	Description	Qty	Unit	Rate	€	c
	as per the specification requirements, and all circuits to be fully labelled; Contractor to refer to Schematic Drawings A1203-2.X-B -ME900-BIO-T0, and A1203-2.X-B -ME901-BIO-T0 for all systems, plant, equipment, fittings and accessories to be included in these packaged plant rooms and allowed for here					
A	minimum Biomass Boiler Capacity to deliver the following thermal output at 90°C flow temperature: 300kW; overall dimensions as per Architetcs Drawings AGP-AR-2000 - Sections, Plans and Elevations		item			
	MECHANICAL COMPONENTS					
B	Packaged Plant Room and Fuel Stores; Mechanical Elements; The Appointed Biomass Contractor shall be responsible for the supply installation testing and commissioning of all mechanical systems required as part of this contract, to Biomass Cabins, and Fuel Stores. Services 'Hook-ups' will be provided to the appointed Biomass Contractor by the 'Heating Upgrade and Enabling Works Contractor' appointed under a separate contract, i.e. Heating F &R Pipework, and Cold Water Supply pipework. It is the responsibility of the Biomass Contractor to co-ordinate manage these connection points and interfaces with regards to where they enter the Packaged Plant Rooms, together with a detailed drawing outlining this exact information early in the process, in line with the Works Requirements, affecting all Mechanical Components required and as detailed on the CRA Drawings, Schematics and Specification		item			

	Description	Qty	Unit	Rate	€	c
	ELECTRICAL COMPONENTS					
A	Packaged Plant Room and Fuel Stores; Electrical Elements; The Appointed Biomass Contractor shall be responsible for the supply installation testing and commissioning of all electrical systems required as part of this contract, to Biomass Cabins, and Fuel Stores. Services 'Hook-ups' will be provided to the appointed Biomass Contractor by the 'Heating Upgrade and Enabling Works Contractor' appointed under a separate contract, i.e. Electrical Power Supply, Fire Alarm Interface, Mechanical Plant Wiring including BMS Interface to School, for incorporation into the unit package. It is the responsibility of the Biomass Contractor to co-ordinate and manage these connection points and interfaces with regards to where they enter the Packaged Plant Rooms, together with a detailed drawing outlining this exact information early in the process, in line with the Works Requirements, affecting all Electrical Components required and as detailed on the CRA Drawings, Schematics and Specification		item			
	Additional Items; Notwithstanding the items listed in the Preliminaries Section of the Pricing Document, the following elements are expressly included under the PPR package: -					
B	Transportation of Biomass PPR and Fuel Store to Site		item			
C	Lifting and Cranage of Biomass PPR into the proposed location		item			

	Description	Qty	Unit	Rate	€	c
A	Testing and commissioning of the Biomass Plant off-site and post-delivery; All systems shall be tested for leaks to a test pressure at 130% of the quoted maximum operating pressure prior to delivery and post-delivery prior to commissioning stage. Calibration certs shall be provided for testing equipment Pressure testing and flushing shall include for all heating and water services equipment; All M&E systems shall be tested and certification provided prior to delivery to site; Once Biomass plant is delivered, the Biomass plant shall be re-tested once permanently made live onsite; Biomass contractor shall be include for 3no. visits per school during Heating Upgrade contractor works to support the commissioning of the M&E systems.		item			
B	All Biomass Plant shall comply with EcoDesign and Triple E Register		item			
C	Prior to manufacture, vendor shall provide full technical submittal for PPR including technical datasheets including DoP and CE marking, plantroom layout and schematic drawings for the Biomass systems		item			
D	PPR vendor shall provide BCAR Cs and Ancillary Certifications for Design, Installation and Completion (Sd, Si and Sc)		item			
E	Support and assist in the Support Scheme for Renewable Heat (SSRH) application form and submit to SEAI		item			
F	Undertake the SSRH post installation and inspection progress including providing 5years Design Warranty, 5years Product Warranty and 5years Installation Warranty		item			

	Description	Qty	Unit	Rate	€	c
A	Act as the Energy Supply Company (ESCO), who will manage, maintain and provide the fuel and provide thermal heat energy back to the school for 15years. The Biomass Plant shall be owned by the Department of Education (DoEY) (CONTRACT B)		item			
B	Biomass Plant and Biomass Fuel shall be in full compliance with SEAI SSRH		item			
C	The PPR Manufacturer shall confirm in writing: The External Finishes; material, colour, etc. for their issue to the relevant planning authority, Type of biomass fuel to be used, Storage and disposal proposals for ash, Details of any emissions to air associated with operation of the proposed development and proposed mitigation measures for same. (refer to Boiler Flue Section within the CRA specification for details of Gaussian Plume Model or equivalent required)		item			
D	Provision of mechanical flushing and pressure test certs, including calibration certs, or all PPR delivered to site		item			
E	Submission of full detailed quality assurance (QA) packs for all PPR; must detail quality checks and photographs throughout the main manufacturing stages as detailed in the CRA specification Section 3.11.6; uploaded onto a cloud data environment and are to be available throughout the entire process; Upon completion, O&M packs are to be handed over to the client and must contain the applicable QA checks		item			
F	Packaged plant rooms to leave factory fully water sealed and protected from water ingress and with protective sheeting on the outside		item			
				To Collection €		

	Description	Qty	Unit	Rate	€	c
A	Contractor shall ensure all necessary ancillary certification is provided for the final PPR installations (Ancillary certification of compliance of completion (Cs) and Engineers Ireland Sd, Si and Sc certs) for BCAR purposes		item			
B	The noise emission from the PPR cabin should not exceed 43db(A) during normall operation as measured from the nearest site boundary. The contractor is to allow for carrying out and documenting this test, with the Engineer or Engineer's representative witnessing this test, as part of the demonstrations.		item			
	BIOMASS CONSUMABLES - SPARES					
	Tenderers to price these biomass consumables ("hospital kit") and storage within cabin / school boilerhouse					
	The Contractor is to allow for the removal, disposal of, and replacement of the following consumable biomass components (to be done at a later stage as required by the biomass contractor) within the time period of the Local Energy Supply Contract. The Contractor shall include all costs of and the totals of each component listed below to include all necessary attendances (both general and special), all in accordance with the manufacturers specifications and requirements					
C	T Controller Main Screen		item			
D	Boiler Main PCB		item			
E	ID Fan		item			
F	Stroker Auguer		item			
G	Ash Screw		item			

	Description	Qty	Unit	Rate	€	c
A	Grate Element		item			
B	Upper Combustion Chamber Ceramics		item			
C	Circulating Pumps		item			
D	Heating Mixing Valve		item			
	(58) (68) OTHER SERVICES(MAINLY PIPED AND DUCTED)					
	MECHANICAL & ELECTRICAL INSTALLATIONS: Sundries And Builders Work					
	Craneage					
E	The PPR Manufacturer shall supply organise and coordinate a crane for the purposes of installing the Biomass Cabin and associated flue; The best effort has been made to identify a route for the crane (typically an 80 Tonne Crane) and is indicated on the site layout plan. This route is indicative for information purposes and the PRR Manufacturer should satisfy themselves that a suitable crane can access the proposed location of the Biomass Cabin and can achieve the "reach" as estimated on the site drawings, ie the "reach" may be longer or shorter; as per Service Engineer Specifcation Section 3.4 in particular and drawings A1203-2.X-B-BC01-BIO-T0 Site Layout(s)		item			
	Unloading, Lifting and Hoisting					
F	The PPR Manufacturer shall supply organise and coordinate plant and labour for off-loading, distribution and handling of equipment to point of storage and final position		item			
	General Attendances					
G	Allow for all general attendances		item			

	Description	Qty	Unit	Rate	€	c
	Special Attendances					
A	Allow for all special attendances		item			
				To Collection €		

Description	Qty	Unit	Rate	€	c
COLLECTION					
Page No. BQ/114					
Page No. BQ/115					
Page No. BQ/116					
Page No. BQ/117					
Page No. BQ/118					
Page No. BQ/119					
Page No. BQ/120					
Page No. BQ/121					
Page No. BQ/122					
Page No. BQ/123					
Page No. BQ/124					
2.6 St. Peters College Meath (71950F) **Carried to Summary**					

GENERAL SUMMARY

Description	Qty	Unit	Rate	€	c
SUMMARY	**Page No.**				
(06) & (07) PRELIMINARIES & INSURANCES	BQ/65				
2.1 De La Salle College Louth (63891T)	BQ/77				
2.3 Ashbourne Community School Meath (91495T)	BQ/89				
2.4 Loreto Secondary School Meath (64370T)	BQ/101				
2.5 Bush Post Primary School Louth (71750U)	BQ/113				
2.6 St. Peters College Meath (71950F)	BQ/125				
TOTAL AMOUNT TO GENERAL SUMMARY					
Note: This Bill of Quantities contains pages numbered BQ/1 to BQ/125.					

SCHOOLS ENERGY PATHFINDER PROGRAMME 2025
BIOMASS BUNDLE 2 (LOUTH/ MEATH EDUCATION AND TRAINING BOARD)
FOR THE DEPARTMENT OF EDUCATION AND YOUTH

GENERAL SUMMARY

					€
A	PRELIMINARIES TOTAL AMOUNT (Carried Forward)		Item	€	
B	2.1 De La Salle College Louth (63891T)		Item	€	
C	2.3 Ashbourne Community School Meath (91495T)		Item	€	
D	2.4 Loreto Secondary School Meath (64370T)		Item	€	
E	2.5 Bush Post Primary School Louth (71750U)		Item	€	
F	2.6 St. Peters College Meath (71950F)		Item	€	
	TOTAL TENDER EXCLUSIVE OF VAT AND BOND			€	
	BOND				
	Provide for:				
G	entering into a bond with an approved Insurance Company which will become bound jointly and severally with the Contractor in a sum equal to 12.5% of the Contract Sum, paying all premiums and expenses complying with all conditions of the bond and lodging all documents, policies etc., with the Employers representative		Item	€	
	PROJECT SUPERVISOR CONSTRUCTION STAGE				
	Provide for:				
H	all costs associated with acting as Project Supervisor (Construction Stage) in accordance with the Safety, Health and Welfare (Construction) Regulations 2013 (and any amendments to the Construction Regulations)		Item	€	
	AMOUNT OF TENDER (EXCL VAT) FORWARD TO FORM OF TENDER			**€**	

The Contractor shall ensure that no page is either missing or duplicated

CONTRACTORS NAME _____

ADDRESS _____
_____
_____

SIGNATURE _____

DATE _____

McCullagh Lupton Quinn
Chartered Quantity Surveyors
44 Friary Street
Kilkenny

SCHOOLS ENERGY PATHFINDER PROGRAMME 2025
BIOMASS BUNDLE 2 (LOUTH/ MEATH EDUCATION AND TRAINING BOARD)
FOR THE DEPARTMENT OF EDUCATION AND YOUTH

VAT ANALYSIS SHEET

				VAT Rate			€
A.	VALUE ADDED TAX AT 0%		@	0.00%		€	
B	VALUE ADDED TAX AT 13.5%		@	13.50%		€	
C	VALUE ADDED TAX AT 23%		@	23.00%		€	
D	**TOTAL VAT PAYABLE ON TENDER AMOUNT**					**€**	

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