

Pontesbury Parish Council

Invitation to Tender for the supply and installation of 66 LED lanterns.

Closing date: 5pm Monday 18th September 2023.

Contract start date: within 6 weeks of award of contract.

1. Background

Pontesbury Parish Council has converted half of its streetlighting to halophane LED lamps and are now inviting tenders for the supply and installation of 66 LED lanterns to complete the upgrade of all Parish Council owned lights.

The objectives of this scheme are to

- a) To improve lighting levels.
- b) Reduce Street lighting energy and carbon footprint.
- c) Reduce street lighting maintenance and energy costs.

Full details of the contract are outlined below:

2. Scope of Contract

- a) Removal and disposal of a total of 66 non-LED lanterns, cells; and any associated brackets and cabling.
- b) Supply and installation of:
 - i. 27 pole mounted lanterns and brackets;
 - ii. 1 wall mounted lantern;
 - iii. 38 column mounted lanterns.
 - iv. Installation of photo electric cells on all replacement lanterns.
- c) Lanterns to be provided prewired to isolator.

3. Specifications

- a) The brightness of each streetlight shall be specified to provide the minimum illumination level recommended by British Standards 5489-1 & BS EN 13201-2;
- b) The specification of each streetlight shall follow the recommendations for Environment Zone E2 "Rural" provided in ILP Guidance Note 01/21 "The Reduction of Obtrusive Light";
- c) Shields shall be installed (or replaced if existing) on streetlights located in areas where adjustment may be required to prevent light intrusion;
- d) The colour temperature of all streetlight lanterns shall be 3000K;
- e) LED lanterns shall have a luminous efficiency of at least 120 lm/W;

- f) LED lanterns shall have an L90B10 rating of at least 100,000 hours;
- g) LED drivers shall have a 90% survival rate lifetime of at least 100,000 hours;
- h) The supplier shall propose a 3-year maintenance contract for the newly installed lanterns.
- i) A single principal contractor shall be responsible for all works;
- j) No streetlights shall be removed as part of this project;
- k) No streetlights shall be added as part of this project;
- l) No streetlights shall be repositioned unless a need to do so is identified by survey;
- m) Trimming of illumination times shall not be implemented;
- n) Lanterns should be able to be adjusted to support part-night lighting or part night dimming to be introduced between Midnight to 5.30am (with British Summer time compatibility); potential switch regime to be agreed on award of contract;
- o) Proximity Lighting shall not be introduced;
- p) Centrally Controlled lighting shall not be introduced.

Electrical test certificates are to be provided for each lantern on completion. Any defects to be recorded and reported to Pontesbury Parish Council.

4. Evaluation of Tender

The Parish Council hopes to be in the position to award the contract for the works by the end of October with work commencing within 6 weeks notification.

Tenders will be evaluated on the following basis: 40% for cost 60% for quality (see appendix one)

The contract will be awarded to the company that complies with all the written requirements, has satisfactory references, and offers the best value for money. Guarantees/Warranties and aftersales service will also be assessed. We may request further information from tenderers after submission of tenders.

A project co-ordinator or single point of contact must be nominated by the successful tenderer, whom should be readily contactable to deal with any queries and problems that may arise. This point of contact must be available from the date the contract is awarded until satisfactory completion of the project.

Guarantees and Warrantees. Please provide details of your own and manufacture guarantees and warranties on the streetlight and installation work.

Please include the technical specification for proposed lantern.

5. Costings (not including VAT)

	Unit cost	Installation	Total
LED lanterns			
Brackets (pole lights)			
Electric Cell			

6. Documents for Submission

- Staff employed on this contract must be formally accredited with G39 Category 1 qualifications.
- A copy of your Certificate of Public Liability Insurance must also be submitted with your tender.
- Risk Assessments and method statements for the works must be submitted along with your tender.
- Your company must be NICIEC accredited or equivalent (please provide evidence of such accreditation including levels of accreditation with your tender).
- A copy of your companies' health and safety policy must be submitted along with your tender.
- A reference from two other local councils where lights of this type have been installed in the last 3 years.

7. Payment

Payment will be made within 30 days of the completion of the contract and receipt of invoice.

8. Submission of Bid

All tender applications and supporting document should be submitted via email to Gillian Bailey gbailey.locum@gmail.com by 5pm on 18 September 2023.

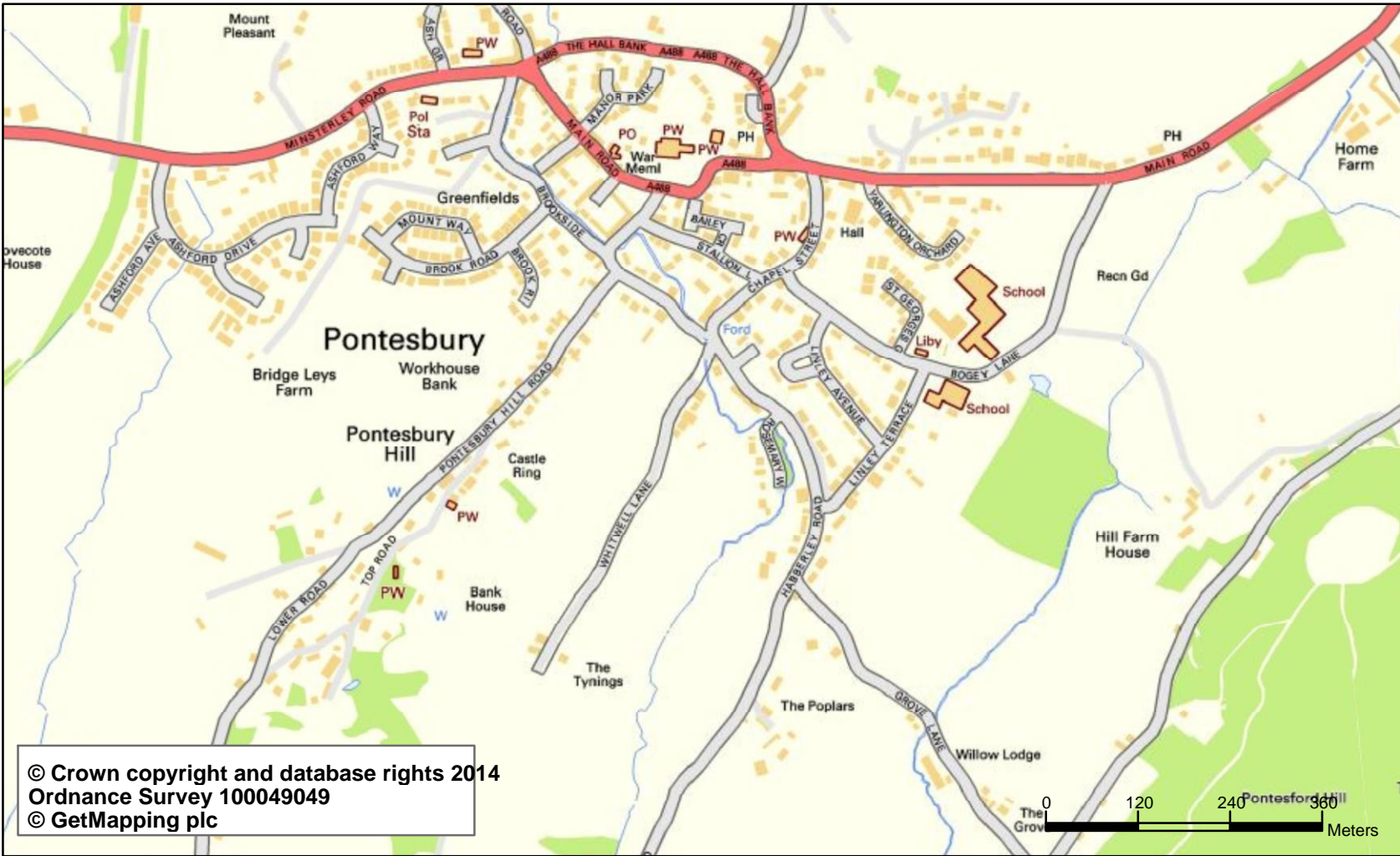
It is anticipated that a decision on the awarding of this contract will be made by 13th October 2023. If you have any queries please contact Debbie Marais on 01691 661157 email clerk@pontesburypc.org.uk

Appendix One

No.	Question	Response
1.	What is the annual energy cost of the proposed lanterns with a switch (35 lux switch off at 18 lux) regime?	
2.	Confirm compliant with ILP Guidance Note 01/21 for Environmental Zone E2.	
3.	State the lumen output and drive current drive (mA) range per luminaire.	
4.	State the rated life of LEDs and drivers.	
5.	What are your failure rates (in %) for the lanterns to be provided.	
6.	State the luminaire weight.	
7.	Can the lanterns be fitted with front, side and back shields if required and is the angle for the lantern adjustable.	
8.	State the warranty period for all components of the lantern and any related parts to be installed including: <ul style="list-style-type: none"> • Casing • LED chip set • Driver 	
9.	Provide images of the luminaires for aesthetic evaluation.	
10.	Confirm the vibration tests that have been carried out.	
11.	State the method of connectivity to the drivers – Bluetooth or NFC.	
12.	State place of manufacture and assembly.	
13.	Provide a statement on the environmental compliance of the luminaires including recyclability and the WEEE directive.	
14.	Provide details of the capacity and capability to deliver luminaires when required.	

Appendix Two

Tier	Title	Score Weighting	
1	Qualitative Evaluation	60%	
	1	Annual energy cost of the proposed lanterns with a switch (35 lux switch off at 18 lux) regime?	20%
	2	Rated life of LEDs and drivers	6%
	3	Failure rate %	6%
	4	Luminaire weight.	2%
	5	Can the lanterns be fitted with front, side and back shields if required and is the angle for the lantern adjustable.	3%
	6	Warranty period	3%
	7	Aesthetics	3%
	10	Vibration test	3%
	11	Connectivity - Bluetooth or NFC	2%
	12	Place of manufacture	3%
	13	Environmental - Sustainability and WEEE directive	3%
	14	Capacity and capability to deliver	3%
	15	Lighting design compliance to full luminaire requirements	3%
	2	Price	40%



Pontesbury



Date: 04/06/2014

Location and condition of lights to be converted

No	Street Name	Location	Control	Zs	R1 R2 &	Lamp Condition	Column Condition	Lamp Type	Column Type
1	Pontesford Hill	O/S Wynnstay Stores	Pec	0.24	0.04	2	1	SOX	Steel
5	Pontesford Hill	O/S Elsie's Cottage	Pec	0.16	0.01	2	3	SOX	Pole Light
6	Pontesford Hill	O/S Junction Grove Lane	Pec	0.21	0.02	2	3	SOX	Pole Light
7	Grove Lane	O/S Grove Cottage	Pec	0.1	0.01	2	3	SOX	Pole Light
9	Haberly Road	O/S Jura	Pec	0.12	0.02	2	3	SOX	Pole Light
11	Haberly Road	O/S Nils View Cul-de-sac	Pec	0.09	0.02	2	3	SOX	Pole Light
12	Haberly Road	O/S Burnside Cottage	Pec	0.15	0.02	3	3	SOX	Pole Light
14	Whitwell Lane	O/S Hillbury	Pec	0.29	0.05	3	2	SOX	Steel
15	Brookside	Nr Ford Crossing	Pec	0.09	0.02	3	3	SOX	Pole Light
16	Brookside	O/S Brantwood	Pec	0.13	0.02	3	3	SOX	Pole Light
17	Pontesbury Hill Road	Start of Road	Pec	0.08	0.02	2	3	SOX	Pole Light
21	Pontesbury Hill Road	Main Road	Pec	0.11	0.02	2	3	SOX	Pole Light
22	Pontesbury Hill Road	O/S New Bungalow	Pec	0.13	0.01	3	3	Fluorescent	Pole Light
25	Pontesbury Hill Road	O/S Weaver Cottage	Pec	0.3	0.02	3	3	SOX	Pole Light
26	Pontesbury Hill Road	O/S Walnut Tree Cottage	Pec	0.11	0.02	3	3	SOX	Pole Light
27	Pontesbury Hill Road	O/S Polesgate Farm	Pec	0.09	0.02	3	3	SOX	Pole Light
30	Pontesbury Hill Road	O/S Rock Cottage (Top Road	Pec	0.33	0.05	3	1	SOX	Steel
34	Birch Row	Outside	Pec	0.2	0.01	3	3	SOX	Pole Light
35	Brookside	Opp No 5	Pec	0.26	0.02	2	3	SOX	Pole Light
36	Brookside	Opp Junction Bridge Leys Lane	Pec	0.11	0.01	3	3	SOX	Pole Light
42	Brook Road	O/S No 31	Pec	0.32	0.05	2	2	SOX	Steel
43	Mount Close		Pec	0.36	0.05	3	3	SOX	Steel
51	Croft Cottages	O/S No 14	Pec	0.22	0.05	3	1	SOX	Steel
54	Ashford Way	O/S No 23	Pec	0.29	0.06	3	1	SOX	Steel
57	Ashford Close	O/S No 6	Pec	0.39	0.07	3	3	SOX	Sleeved Concrete
58	Ashford Drive	O/S No 39	Pec	0.34	0.06	3	3	SOX	Sleeved Concrete
61	Ashford Drive	Opp Junct Ashfield Port	Pec	0.22	0.06	3	2	SOX	Steel

No	Street Name	Location	Control	Zs	R1 R2	& Lamp Condition	Column Condition	Lamp Type	Column Type
62	Ashford Avenue	O/S No 7	Pec	0.3	0.06	3	3	SOX	Sleeved Concrete
63	Ashford Avenue	O/S No 18	Pec	0.41	0.06	2	2	SOX	Steel
64	Ashford Drive	Junct of Ashford Avenue	Pec	0.21	0.05	2	2	SOX	Steel
65	Ash Grove	Opp No 2	Pec	0.27	0.07	3	3	SOX	Sleeved Concrete
66	Ash Grove	Opp No 6	Pec	0.33	0.06	3	3	SOX	Sleeved Concrete
68	Station Road	O/S The Red house	Pec	0.19	0.06	3	2	SON	Steel
70	Castle Green	O/S No 1	Pec	0.17	0.06	3	1	SON	Steel
71	Castle Green	O/S No 7	Pec	0.22	0.05	3	1	SON	Steel
73	Mary Webb Close	Carpark	Pec	0.33	0.06	2	2	SOX	Steel
74	Mary Webb Close	Footpath	Pec	0.29	0.05	2	2	SOX	Steel
75	Manor Gardens	Entrance (Swan Neck)	Pec	0.41	0.06	3	3	MBFU	Concrete
78	Back Lane		Pec	0.07	0.01	3	3	SOX	Pole Light
80	Linley Terrace	O/S Sommerville	Pec	0.1	0.02	3	3	SON	Pole Light
81	Linley Terrace	O/S Somerfield	Pec	0.12	0.02	3	3	SON	Pole Light
82	Linley Terrace	O/S The Mud Hut	Pec	0.22	0.02	3	3	SOX	Pole Light
83	Linley Terrace	O/S No 24	Pec	0.29	0.07	3	2	SON	Steel
84	Linley Terrace	O/S Primary School	Pec	0.19	0.06	3	2	SON	Steel
85	Linley Terrace	O/S Karema	Pec	0.26	0.07	3	2	SON	Steel
86	Bogey Lane	O/S Mary Webb School	Pec	0.3	0.07	3	2	SON	Steel
87	Bogey Lane	O/S Fairhaven	Pec	0.19	0.07	3	3	SON	Pole Light
89	Bogey Lane	Opp Graveyard	Pec	0.21	0.07	3	2	SON	Steel
90	Bogey Lane	The Grange	Pec	0.33	0.07	3	2	SON	Steel
97	St Georges's Garden	O/S No 1	Pec	0.3	0.06	2	2	SOX	Steel
99	St Georges's Garden	O/S No 14	Pec	0.26	0.06	2	2	SOX	Steel
100	St Georges's Garden	O/S No 10	Pec	0.4	0.05	2	2	SOX	Steel
101	Chapel Street	Opp No 4	Pec	0.12	0.02	3	2	SOX	Pole Light
102	Chapel Street	Baptist Church	Pec	0.19	0.02	2	3	SOX	Pole Light
104	Stallion Lane	Junct off Chapel Street	Pec	0.3	0.07	2	1	SOX	Steel
105	Stallion Lane	O/S No 6	Pec	0.1	0.02	2	3	SOX	Pole Light

No	Street Name	Location	Control	Zs	R1 & R2	Lamp Condition	Column Condition	Lamp Type	Column Type
107	Barley Crescent	O/S No 14	Pec	0.33	0.08	3	3	SOX	Sleeved Concrete
108	Barley Crescent	O/S No 6	Pec	0.38	0.06	3	3	SOX	Sleeved Concrete
115	School Green		Pec	0.29	0.04	3	2	SON	Steel
116	School Green		Pec	0.2	0.04	3	2	SON	Steel
117	School Green		Pec	0.25	0.04	3	2	SON	Steel
118	Coop Village Store	To the Rear of	Pec	0.27	0.02	3	3	SOX	Pole Light
119	Manor Park	O/S No 1	Pec	0.3	0.07	3	3	SOX	Concrete
124	Carver Street	Carver Street	Pec	0.2	0.02	2	2	SON	Pole Light
125	A488	Footpath	Pec	0.24	0.06	2	2	SON	Steel
127	A488	Outside Green Lea	Pec	0.25	0.02	3	3	SOX	Pole Light