



UK Tentative List of Potential Sites for World Heritage Nomination: Application form

Please save the application to your computer, fill in and email to:
UKTL.Application@culture.gsi.gov.uk

The application form should be completed using the boxes provided under each question, and, where possible, within the word limit indicated.

Please read the [Information Sheets](#) before completing the application form. It is also essential to refer to the accompanying [Guidance Note](#) for help with each question, and to the relevant paragraphs of UNESCO's *Operational Guidelines for the Implementation of the World Heritage Convention*, (OG) available at: <http://whc.unesco.org/en/guidelines>

Applicants should provide only the information requested at this stage. Further information may be sought in due course.

(1) Name of Proposed World Heritage Site

The heroic period of civil and marine engineering in England 1822-1866

A serial nomination of four inter-related sites within the City of Bristol

(2) Geographical Location

Name of country/region

City and County of Bristol , West of England

Grid reference to centre of site

HS1 ST 596 724

HS2 ST 578 724

HS3 ST 568 725

HS4 ST 565 731

Please enclose a map preferably A4-size, a plan of the site, and 6 photographs, preferably electronically.

(3) Type of Site

Please indicate category:

Natural Cultural Mixed Cultural Landscape

(4) Description

Please provide a brief description of the proposed site, including the physical characteristics. 200 words

HS1 The Old Station, earliest surviving 19th century main line railway terminus GWR, large clear span hall, a booking hall, purpose built offices, engine shed and a water tower. Buildings are virtually unaltered, general fabric has been well maintained, date from 1839 and are within a Grade 1 listing.

HS2 Great Western Dockyard and SS Great Britain, the World's first iron built steam powered passenger liner is a permanent immobile property within the dock where it was constructed 1839-1843. (please consult the paper dated 28 October 1998 SS GB to DCMS for detailed description of this site). A National Brunel Centre has now been built to provide an archive of the engineering works of IK Brunel (1806-1859) who is connected with all sites within this nomination. The graving dock is a Grade 2 listed structure.

HS3 Underfall Yard and Cumberland Basin. Design of dockyard, locks, a swing bridge together with machinery for keeping the City Harbour free from silting up. All items survive with functioning machinery in the Underfall system. These works were designed by IK Brunel.

HS4 Clifton Suspension Bridge was designed by Brunel who won a design competition in 1830 however construction was long delayed until after Brunel's death when civil engineers Barlow and Hawkshaw were responsible for its completion in 1864



(5) History

Please provide a short summary statement of any significant events in the history of the site. 200 words

HS1 The final design for the station was complete in 1839. In 1843 Prince Albert came by train to Temple Meads to launch the SS Great Britain . By 1878 the expansion of rail travel demanded a larger terminus to be built and the old station was redundant until new uses ensured the safety of these historic buildings

HS2 The transformation of the Great Western Dockyard into a setting for impressive exhibits has brought much satisfaction to the great number of visitors since 1970 to see the restoration of the SS Great Britain

HS3 A Study has confirmed that the swing bridge designed by Brunel in 1849 is a tubular beam bridge and a prototype of all modern tubular construction.

HS4 Clifton Suspension Bridge was the subject of a controversial process for selecting an engineer, eventually IK Brunel's design was accepted and coincided with the Bristol Riots of 1831 that occurred over the defeat of the Reform Bill leading to delays. See also answer to question 4.

(6) Why do you think this site should be inscribed as a World Heritage Site?
Give reasons. 200 words

This group of heritage sites together provide an opportunity to recognise evidence of a significant period of human creativity during the 19th century in Britain. This was a period of rapid progress in technologies of mechanical and marine design: advances in the scientific understanding of structures and above all the emergence of new skills to cope with demands of manufacturing. Here are outstanding examples of places in close proximity and linked by the waterways in the heart of the City and appear to meet the requirements for a World Heritage Site.

(7) Please say why the site has Outstanding Universal Value and specify the main features which underpin its importance. 200 words

The advent of a main line railway between London and Bristol in 1841 is an example of the distinguished pioneering development of all the elements of global land travel world wide and with this great social progress followed. World travel is represented by ship building for which the SS Great Britain is a master piece of creative genius. The associated history of this era will now be available to students and the public by way of the new Brunel Institute that is housed in a sensitive rebuilding of Victoria workshops on the site of the original building dockyard of the SS Great Britain.

In all the elements that make up this site there is a high level of authenticity that exists. All works of repair or replacement is carefully undertaken to maintain the quality of the original structures.

(8) Outstanding Universal Value

Please state which of the [10 UNESCO criteria for Outstanding Universal Value](#) the proposed site meets, and describe briefly why the criteria were chosen. Please see criteria note at the end of the form.

UNESCO criterion	<input checked="" type="checkbox"/>	Why was this criterion chosen? 100 words
(i)	<input checked="" type="checkbox"/>	All four items proposed for the nominations possess the quality of work by a creative genius. In 1994 the eminent Engineer Santiago Calatrava visited Bristol and wished to see HS1, HS2 and HS4. He regarded Brunel as his hero, a view reinforced by his close inspection of these works that demonstrated very high degree of creative achievement.
(ii)	<input checked="" type="checkbox"/>	All the four items exhibit clear examples of very powerful exchanges of human values during the 19 th century as innovation shaped developments in Architecture, Technology, Marine Engineering and Transport. Each site retains a local distinctive character within its own setting and each is set in a sustainable framework of ownership.
(iii)	<input type="checkbox"/>	
(iv)	<input checked="" type="checkbox"/>	This is a serial nomination of which the individual items represent a complementary ensemble of technological achievements which together illustrates the heroic period of engineering 1822-1866 as the Industrial Revolution reached its high point of innovation and discovery.
(v)	<input type="checkbox"/>	
(vi)	<input type="checkbox"/>	
(vii)	<input checked="" type="checkbox"/>	The site for this nomination comprises a trail of about two miles following the historic waterways of the City from Temple Meads to the tidal river Avon at Cumberland Basin with the spectacular gorge rising within this area of outstanding natural beauty and where the Clifton Suspension Bridge spans between sides rising steeply from the river which produces a landscape of exceptional beauty, enhanced by the elegance of the Suspension Bridge, an appropriate ornament that celebrates technology of a new era. This landscape is protected within a statutory designation as a Special Site of Scientific Interest.
(viii)	<input type="checkbox"/>	
(ix)	<input type="checkbox"/>	

UNESCO criterion	<input checked="" type="checkbox"/>	Why was this criterion chosen? 100 words
(x)	<input type="checkbox"/>	

(9) Authenticity (for cultural or mixed sites only)

Authenticity concerns the current state of conservation of a cultural or mixed site; especially whether its importance, its Outstanding Universal Value, is still obvious from its physical condition. Please outline the condition of the site. 200 words

HS1 This 19thC complex of buildings has received over recent years a rolling programme of works conservation. The original fabric exists and all repair work has been carried out by specialist contractors. Any modifications made have been on the basis of reversibility whilst the character of the building is unaltered.

HS2 GW Graving Dockyard of 1839 is intact, with only minor recent additional structural frames to support the hull of the SS Great Britain and to accommodate the means of protecting the 19thC wrought iron work of the Ship through a clearly identifiable modern plan for dehumification, the integrity of the dock is respected 100%.

The SS Great Britain has the original wrought iron hull - a remarkable case of survival - that represents a major element from the original ship from 1843 which is the basis of the fully restored ship.

HS3 The works on the Bristol docks during 19thC have been superseded by functional alterations required in recent years, however strong evidence exists to justify recognition of several properties here for visitors to identify them, such as the swing bridge now under restoration.

HS4 The Clifton Suspension Bridge was designed by Brunel in 1831 and has survived in its completed form unchanged apart from maintenance and some alteration to invisible components,

(10) Integrity

For cultural or mixed sites, please state how much original fabric is included in the proposed site, and its condition. For guidance on how the test of integrity is met for natural sites under criteria (vii) – (x), please refer to the OG 90-94. Information Sheet 6 also provides help on this point. 200 words

N/A Please refer to answers for question 9

(11) Are there other examples of this kind of site already on the World Heritage List?

Yes No

If yes, please list. 100 words

HS1 A possible example might be Victoria Station at Mambai in India or the fragment of the station at Curzon Street in Birmingham.
HS2 Nothing in the World can compare with the Dockyard plus the SS Great Britain permanently combined, however other dockyards of Chatham and historic ships afloat exist.
HS3 The work by Brunel for this dock is probably unique
HS4 A fine example which may compare with is the Menai Bridge in Wales by Thomas Telford

(12) What distinguishes this site from other similar sites?

150 words

A linear chain of sites that are woven into the fabric of a thriving urban landscape displays connections between historical events and particular quality of place where the value of the human scale in the historic environment is evident in all of the examples described

(13) How does the site contribute to meeting UNESCO's priorities for a balanced World Heritage List?

200 words

Recognition and understanding of the achievement by diverse groups of people during the 19thC in Britain, a period of great technological innovation. The documentation available to industrial archaeologists has provided much to inform the World Heritage Site, the four examples within it which are representative of much of this area of human endeavour and therefore contribute to obtaining a balanced List of World Heritage Sites.

(14) What benefits do you think World Heritage Site inscription would bring?

Please indicate the main opportunities and benefits.

Education	<input checked="" type="checkbox"/>	Tourism	<input checked="" type="checkbox"/>	Regeneration	<input checked="" type="checkbox"/>
Conservation	<input checked="" type="checkbox"/>	Protection	<input checked="" type="checkbox"/>	Other benefits	<input checked="" type="checkbox"/>

Please describe. 100 words.

The experience of our neighbouring city of Bath may be registered under 'other benefits'. Inscription for Bath has brought awareness and recognition of the precious quality of the urban landscapes of that city. Inscription would strengthen the mutual interest that is beneficial to both communities of Bath and Bristol.. However in the case of Bristol there are may less obvious treasures that deserve recognition.

(15) Are there any known threats to the proposed World Heritage Site?

Yes No

Please indicate any proposed developments, or other potential impacts on the site.

Impact	<input checked="" type="checkbox"/>	Please describe. 100 words for each issue.
Development	<input checked="" type="checkbox"/>	HS1 is threatened by the want of a buffer zone, however the mitigation of effects on some properties would be helped by inscription

Environmental	<input checked="" type="checkbox"/>	Better transport planning is needed to allow improved access to sites
Other	<input checked="" type="checkbox"/>	Interests of heritage are often not sufficiently taken into account by those responsible for decisions for planning issues, hence the need for increased awareness that recognition by UNESCO can promote.

(16) Legal Protection

Please list any legal and other protections, including cultural and natural designations, which cover the whole or part of the proposed site. 200 words

HS1 This site is within an area designated for Regeneration to include mixed development confirmed in the current Statutory Policy Bristol Local Plan, 1997. This property has status of Grade 1 listing.

HS.2 These sites are within the Harbourside Conservation Area confirmed in HS.3 the current Statutory Policy, Bristol Local Plan, 1997. One property, the Great Western Dockyard has the status of Grade 2* Listing.

HS.4 This property is within the Clifton Conservation Area in Bristol Local Plan, 1997 and has the status of Grade 1 Listing.

(17) Ownership

Please list the main owners of the site, where possible.

HS.1 British Empire & Commonwealth Museum Trust

HS.2 Bristol City Council who have granted lease of 125 years to the SS 'Great Britain' Trust.

HS.3 Bristol City Council

HS.4 Clifton Suspension Bridge Trust

Please see item 4.1 of this application concerning statements of support from owners.

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Do the owners support the application? Yes No

A statement of support from the principle owners of the proposed site should be attached to the application, preferably electronically.

(18) Local Authority support for the site

Please list all Local Authorities with an interest in the proposed site.

Bristol City Council, The Council House, College Green, Bristol BS1 5TR

Please also see answer to question 16 concerning planning policy

Does the proposed site have local Authority support? Yes No

Please attach a statement of support from each one in relation to the application.

Please indicate whether the site is included in the local plan/s by specific policies.

Yes No Partly

Please describe. 200 words.



(19) Stakeholders

Please list the main parties with an interest in the site. 100 words

Bristol City Council
British Empire&Commonwealth Museum Trust
SS 'Great Britain Trust
Clifton Suspension Bridge Trust

(20) How will the Site be managed?

Please outline the management arrangements for the proposed World Heritage Site, including where the responsibilities lie. 200 words

It is proposed that a voluntary association will be formed between all property owners in their mutual interest and benefit to enable a unified coordination for the whole proposed World Heritage Site. The City Council of Bristol is prepared to convene such a association subject to further consultation with all stakeholders.

Individual properties are already managed sustainably by the legally constituted charitable trusts that hold administrative responsibility.

(21) Funding: the nomination

Please indicate how the preparation of the nomination would be funded.
100 words

Subject to further consultation it should be possible to have support in-kind from the pro bono resources of the charitable trust and the City Council to avoid the cost of research into the social and technological history concerning a further stage in nomination. There exists a wealth of data held by the organisations concerned who are also capable of obtaining private support through fund raising.

(22) Funding: management

Please outline how the future management would be funded. 100 words

Funding a future serial World Heritage Site should require a minimum of funding separately from the individual budgets of each stakeholder's organisations. The role of coordination will be studied further with the valuable assistance of our neighbouring colleagues within the North East Somerset local authority which has the relevant experience from its administration of the World Heritage Site, City of Bath

Name and Contact Details of Applicant

Name	Councillor Simon Cook
Status	Deputy Leader of Bristol City Council and Executive Member for Sport, Culture and Capital Projects
Address	The Council House College Green Bristol BS1 5TR
Telephone	
Email	

Completed applications should be forwarded, preferably in electronic format, to the World Heritage Team, Department for Culture, Media and Sport at the following email address: UKTL.Application@culture.gsi.gov.uk

Any material that cannot be sent electronically should be sent to the following address:

World Heritage Team, Department for Culture, Media and Sport
2-4 Cockspur Street
London
SW1 5DH

The closing date for applications is 11th June 2010

UNESCO's criteria for the assessment of Outstanding Universal Value (para 77 of the Operational Guidelines)

- (i) represent a masterpiece of human creative genius;
- (ii) exhibit an important interchange of human values, over a span of time or within a cultural area of the world, on developments in architecture or technology, monumental arts, town-planning or landscape design;
- (iii) bear a unique or at least exceptional testimony to a cultural tradition or to a civilization which is living or which has disappeared;
- (iv) be an outstanding example of a type of building, architectural or technological ensemble or landscape which illustrates (a) significant stage(s) in human history;
- (v) be an outstanding example of a traditional human settlement, land-use, or sea-use which is representative of a culture (or cultures), or human interaction with the environment especially when it has become vulnerable under the impact of irreversible change;
- (vi) be directly or tangibly associated with events or living traditions, with ideas, or with beliefs, with artistic and literary works of outstanding universal significance.
- (vii) contain superlative natural phenomena or areas of exceptional natural beauty and aesthetic importance;
- (viii) be outstanding examples representing major stages of earth's history, including the record of life, significant on-going geological processes in the development of landforms, or significant geomorphic or physiographic features;
- (ix) be outstanding examples representing significant ongoing ecological and biological processes in the evolution and development of terrestrial, fresh water, coastal and marine ecosystems and communities of plants and animals;
- (x) contain the most important and significant natural habitats for in-situ conservation of biological diversity, including those containing threatened species of outstanding universal value from the point of view of science or conservation.