

Question No.	Proforma section	Criteria	Topic	Question	Date question asked	Date response required	Date received	Follow up to Question #	Confidential (y/n)
1	1.6 Project Suppliers		Supplier selection.	There is no reference in the proposal which identifies the use of the best industry innovators to achieve an optimum design. Please demonstrate the selection procedure and design innovators selected as part of this selection process.	20 August 2015	25 August 2015	25 August 2015		
2	Appendix 15		Energyline Ltd.	Please provide further information on Energyline Limited. Please provide examples of innovative projects to demonstrate they are best placed to deliver an independent, unbiased, effective solution.	20 August 2015	25 August 2015	25 August 2015		
3	Section 2.1.3		Stage Gates	Has there been any consideration of placing an additional stage gate at stage 1.1 to review the business case and the effects of existing government policy and attitude upon demand for project outputs?	20 August 2015	25 August 2015	25 August 2015		
4	2		Project description	What is the proposed height of the NeSTS? How does the height of the proposed NeSTS compare against T-Pylon and traditional steel lattice towers? It will be helpful to see a technical comparison between T-Pylon and NeSTS designs.	02 September 2015	09 September 2015			
5	2		Project description	Please provide further technical specifications: heights at different voltages, weights, monopole depth for different ground conditions, footprint, number of towers per km.	02 September 2015	08 September 2015	08 September 2015		Y
6	2		Project description	Given the shorter height what is the number of towers per km compared with traditional towers?	02 September 2015	07 September 2015	07 September 2015		
7	3		Project description	What types of towers have been designed – suspension, tension (and angles), dead-end, transposition towers? Please provide the technical specifications for those as well as a comparison of those specs with appropriate traditional towers e.g. L12	02 September 2015	09 September 2015	09 September 2015		
8		(c)	Rollout	What are the limitations of the monopole for different ground conditions? In particular, is there a cut off point where depth of monopole installation makes it more expensive than the traditional towers?	02 September 2015	08 September 2015	08 September 2015		
9		(c)	Rollout	Are stringing and installation/maintenance different? If so how will this be disseminated to other licensees?	02 September 2015	07 September 2015	07 September 2015		
10	Appendix 3	(c)	Rollout	Is the innovation only applicable where you can use HTLS?	02 September 2015	07 September 2015	07 September 2015		
11	3	(a)	Costs	Please provide a cost breakdown showing how the funding is going to be used for each component of the project e.g. design, construction of prototype, etc.	02 September 2015	07 September 2015	07 September 2015		
12	2	(g)	Stage Gates	Please explain what you will be reviewing at the end of stage 1.	02 September 2015	07 September 2015	07 September 2015		
13	Multiple	(g)	Stage Gates	What are the plans for the remaining £5m if the review of the business case at stage gate does not support the next phase of the project going ahead?	02 September 2015	07 September 2015	07 September 2015		
14	2	(a)	Benefits	The benefits are quantified extensively by the amount of renewable generation that could be connected. If capital cost savings are the main benefits then is the innovation applicable to any connection that requires OHL (not just renewables)?	02 September 2015	07 September 2015	07 September 2015		
15		(a)	Costs	Have you factored in the additional cost should you need to use high temperature low sag lines?	08 September 2015	11 September 2015	10 September 2015		
16		(g)	Methodology	Please explain what progress the NIA project has made. How would this build on that learning, i.e. what is the starting point for this project?	08 September 2015	11 September 2015	10 September 2015		
17		(g)	Consumer testing	How much consumer testing have you done under the NIA project? Is the selected prototype(s) the most acceptable to the public?	08 September 2015	11 September 2015	10 September 2015		
18		(c)	Rollout	Can you justify the assumption of 15% rollout?	08 September 2015	11 September 2015	10 September 2015		
19		(a)	Risks	Which line will the project be trialled on? Is this suitably of this line at risk given the change to government policy on wind subsidies?	08 September 2015	11 September 2015	10 September 2015		
20		(d)	Funding	What other incentive mechanisms could this project be benefitting from?	08 September 2015	11 September 2015	10 September 2015		
21		(e)	Partners	Please clarify Energyline's role in the project?	08 September 2015	11 September 2015	10 September 2015		

22	p26	(b)	Benefits	The validation task to be conducted by TNEI adds reassurance that the benefits will be appropriately calculated and apportioned, but is not defined in detail. Do TNEI and SSE have a plan for validation?	08 September 2015	11 September 2015	10 September 2015		
23	p51	(b)	Costs	Could you link the spend prior to the stage gate to specific activities? Please clarify the timing of the expenditure shown on p51 in light of this.	17 September 2015	22 September 2015	22 September 2015		
24		(g)	Specialist input	What specialists input have you had in the NIA e.g. structural engineers, architects, civil engineers? What reports have they produced?	17 September 2015	22 September 2015	22 September 2015		
25	p17	(a)	Financial benefits	What's the supporting evidence for the reduction in foundation costs with NeSTS?	17 September 2015	22 September 2015	22 September 2015		
26		(g)	Implementation	How do you plan to implement contractual arrangements for construction of the pylons?	17 September 2015	22 September 2015	22 September 2015		
27		(g)	Stakeholder engagement	Please provide a breakdown of how you plan to spend the stakeholder engagement budget?	17 September 2015	22 September 2015	22 September 2015		
28		(c)	IPR	Will there be any foreground IP held by Energyline or SSE for any aspect of this project? If so, how will this be dealt with?	17 September 2015	22 September 2015	22 September 2015		
29		(a)	Rollout	The Project Summary suggests that the NeSTS are to be used in areas where deployment of T-Pylons is inappropriate. Does this limit the NeSTS' potential for GB-wide deployment, and hence, limit the applicability of learning to other licensees? Or will it be possible to install the NeSTS across GB, on a wide variety of terrains?	29 September 2015	02 October 2015	02 October 2015		
30		(b)	Costs	Could you provide an estimation of the NeSTS' maintenance and operational costs? How does this compare to the corresponding costs for the traditional designs?	29 September 2015	02 October 2015	02 October 2015		
31		(c)	Project description	The Project Summary states that the NeSTS will have a shorter height compared to traditional tower designs, whereas the answer to Q4 states that the 510 series is of a similar height to the traditional tower design. Could you clarify the height differences between the NeSTS and traditional towers, for comparable voltages?	29 September 2015	02 October 2015	02 October 2015		
32		(c)	Project description	Will the design and analysis of both the 510 and 540 series be continued throughout the NIC process? Or will one of these be dropped at a certain stage in order to concentrate on only one design?	29 September 2015	02 October 2015	02 October 2015		
33		(c)	Project description	Will it be possible to replace one traditional tower with a NeSTS tower (resulting in one NeSTS tower between traditional towers)? This does not seem possible for the 540 series, due to this design having two crossarms, compared to three found on the traditional designs.	29 September 2015	02 October 2015	02 October 2015		
34		(g)	Stakeholder engagement	According to the Project Summary, stakeholder consultation will begin in December 2016. From reading your answer to Q17, am I correct in saying that this will be the first consumer testing undertaken as part of this project? If this provides negative feedback, how will this affect the project?	29 September 2015	02 October 2015	02 October 2015	17	
35		(b)	Costs	Could you provide a detailed breakdown of the cost comparison which you have made between the NeSTS and the traditional structures, preferably in spreadsheet format? Which traditional tower structure was used during this comparison?	01 October 2015	06 October 2015	06 October 2015		
36		(b)	Costs	What is the monetary value of the project risk/contingency? Is this included in the final total? If so, what percentage is attributed to it?	01 October 2015	06 October 2015	06 October 2015		
37		(g)	NIA outputs	Can you confirm whether the output of the NIA project will enable a full suite of transmission tower designs (including light/heavy angle towers; termination towers) to be taken to stage 1.1 of the NIC Project. Will these different tower designs be at the same stage of development by stage 1.1 of the NIC project?	20 October 2015	22 October 2015	22 October 2015		