

Invitation to Quote (ITQ) on behalf of Natural Environment Research Council

Subject Contracting Authority Videowall solution Sourcing reference number UK SBS IT18054



UK Shared Business Services Ltd (UK SBS) www.uksbs.co.uk

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Section 1 – About UK Shared Business Services

Putting the business into shared services

UK Shared Business Services Ltd (UK SBS) brings a commercial attitude to the public sector; helping Contracting Authorities improve efficiency, generate savings and modernise.

It is our vision to become the leading service provider for Contracting Authorities for of shared business services in the UK public sector, continuously reducing cost and improving quality of business services for Government and the public sector.

Our broad range of expert services is shared by our Contracting Authorities. This allows Contracting Authorities the freedom to focus resources on core activities; innovating and transforming their own organisations.

Core services include Procurement, Finance, Grants Admissions, Human Resources, Payroll, ISS, and Property Asset Management all underpinned by our Service Delivery and Contact Centre teams.

UK SBS is a people rather than task focused business. It's what makes us different to the traditional transactional shared services centre. What is more, being a not-for-profit organisation owned by the Department for Business, Energy & Industrial Strategy (BEIS), UK SBS' goals are aligned with the public sector and delivering best value for the UK taxpayer.

UK Shared Business Services Ltd changed its name from RCUK Shared Services Centre Ltd in March 2013.

Our Customers

Growing from a foundation of supporting the Research Councils, 2012/13 saw Business, Energy and Industrial Strategy (BEIS) transition their procurement to UK SBS and Crown Commercial Services (CCS – previously Government Procurement Service) agree a Memorandum of Understanding with UK SBS to deliver two major procurement categories (construction and research) across Government.

UK SBS currently manages £700m expenditure for its Contracting Authorities.

Our Contracting Authorities who have access to our services and Contracts are detailed here.

Section 2 – About the Contracting Authority

Natural Environment Research Council (NERC)

NERC is the UK's main agency for funding and managing research, training and knowledge exchange in the environmental sciences.

NERC's work covers the full range of atmospheric, Earth, biological, terrestrial and aquatic science, from the deep oceans to the upper atmosphere and from the poles to the equator.

The organisation coordinates some of the world's most exciting research projects, tackling major issues such as climate change, environmental influences on human health, the genetic make-up of life on Earth, and much more.

Working internationally, NERC have bases at some of the most hostile places on the planet; running a fleet of research ships and aircraft and investing in satellite technology to monitor gradual environmental change on a global scale. NERC provide forewarning of, and solutions to, the key environmental challenges facing society.

Examples of funded research

- Showing the importance of mature tropical forests to the global climate.
- Developing a safer and cleaner way to mine gold by reducing the use of mercury.
- Studying the hole in the ozone layer discovered by our British Antarctic Survey and monitoring climate change.
- Playing a major role in the International Census of Marine Life that monitors our oceans.

NERC also runs six organisations of world renown:

- British Antarctic Survey, in Cambridge.
- British Geological Survey, in Nottingham.
- National Oceanography Centre, in Southampton.
- Centre for Ecology & Hydrology, in Oxfordshire.
- National Centre for Atmospheric Science, in Leeds.
- National Centre for Earth Observation, Swindon.

www.nerc.ac.uk

Section 3 - Working with the Natural Environment Research Council.

In this section you will find details of your Procurement contact point and the timescales relating to this opportunity.

Section	on 3 – Contact details	
3.1	Contracting Authority Name and	NERC Polaris House, North Star Avenue,
	address	Swindon,SN2 1SZ
3.2	Buyer name	ICTProcurement
3.3	Buyer contact details	Ictprocurement@uksbs.co.uk
3.4	Estimated value of the	£80,000 excluding VAT
	Opportunity	
3.5	Process for the submission of	All correspondence shall be submitted
	clarifications and Bids	within the Emptoris e-sourcing tool.
		Guidance Notes to support the use of
		Emptoris is available <u>here</u> .
		Please note submission of a Bid to any
		email address including the Buyer will
		result in the Bid <u>not</u> being considered.

Section	on 3 - Timescales	
3.6	Date of Issue of Contract Advert and location of original Advert	23/02/2018 Contracts Finder
3.7	Latest date/time ITQ clarification questions shall be received through Emptoris messaging system	28/02/2018 14.00
3.8	Latest date/time ITQ clarification answers should be sent to all Bidders by the Buyer through Emptoris	01/03/2018 14.00
3.9	Latest date/time ITQ Bid shall be submitted through Emptoris	06/03/2018 14.00
3.10	Date/time Bidders should be available if face to face or telephone clarifications are required	09/03/2018
3.11	Anticipated selection and the selections of Bids notification date	15/03/2018
3.12	Anticipated Award date	16/03/2018

3.13	Anticipated Contract Start date	20/03/2018
3.14	Anticipated Contract End date	31/03/2021
3.15	Bid Validity Period	60 Days

Section 4 – Specification

Introduction

The National Oceanography Centre (NOC) is part of the Natural Environmental Research Council (NERC).

The mission of NOC is to deliver and enable cutting edge, world-class large-scale ocean science and technology research for the purpose of:

- supporting the growth of the UK maritime economy
- developing evidence and technology for public policy and national security
- underpinning UK climate, seasonal weather and flood prediction systems
- supporting UK influence in ocean affairs in areas beyond national jurisdiction

NOC provides national capability for programmes of long-term science, to manage and make accessible publicly funded data and provide access for the UK science community to large research infrastructure and scientific facilities, including the research ships RRS Discovery and James Cook and the National Marine Equipment Pool.

Aims

A project is currently underway to create a 'Synthetic Environment' in room W2/13 within the Marine Autonomous Robotic Systems Innovation Centre (MARSIC) at NOC Southampton. Once complete, the facility will provide capability to support the following themes:

- AUV regulatory understanding, verification and compliance
- System training
- Prototyping and development of new technologies and processes
- Virtualisation of sea trials and mission rehearsals
- Operation and deployment support
- Enhanced conferencing

To meet these requirements the existing space in room W2/13 will be upgraded and this tender is for an eight screen videowall which will complete this upgrade.

Scope

- Supply of videowall and all associated peripherals as per this specification
- Design solution and installation of the videowall

- Must be compatible with existing wireless presentation system (ClickShare) and room parameters
- 3 years Warranty and OEM maintenance package on all parts

Requirement

This tender is for the supply and installation of a videowall that meets the requirements as outlined in this document and the corresponding appendixes. Along with meeting the hardware specification and room parameters the winning supplier will also need to ensure the delivery of all hardware by the 26th March 2018 and installation will need to be completed by 20th June 2018.

ROOM W2/13

Please see attached document **Appendix 1 - W213 Room Dimension** for detailed room dimensions.

Room W2/13 will be refurbished, with existing trunking lowered to provide maximum wall space and additional cooling/ventilation installed.

It is proposed that the video wall configuration be mounted on wall **SE/W**, which provides the largest area for installation.

The wall where the system is due to be installed has the following dimensions and load parameters:

70mm, 0.55mm gauge studs at 600mm centres lined with 12.5mm skimmed wallboard and has an overall height of 3.5m.

Based on the assumptions above, we expect the maximum force per fixing to be:

• 20 kg vertically • ±3 kg horizontally

These forces would act cumulatively and on all 15 anchors at once, on the assumption that the fixing systems are similar or equivalent to Gripit fixings. The ideal parameters for the screen installation:

Fixing weight = 2.6 kg (assumed)

Total number of fixings = 15

The ideal total weight of the 8 screen and mounts combined shall be 20kg or less.

The total weight of the 8 screens and mounts combined shall not exceed 36kg.

Centroid of frame = 100mm

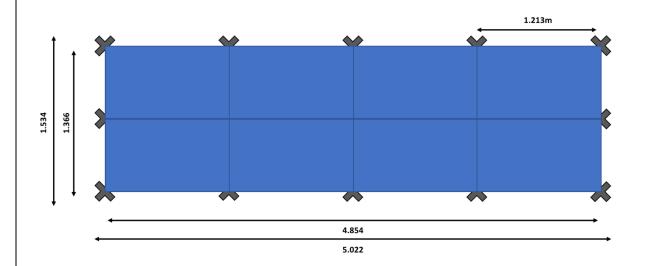
Full system depth = 167mm (assumed)

X: number of system in horizontal direction (columns)

Y: number of systems in vertical direction (rows)

Required anchors for wall mount: (X+1)*(Y+1)

The designed loading for the floor surface area is estimated to be approx. (and not to exceed) 3kN/m².



Please see Appendix 2 - Lowest fixing point, Appendix 3 - Mid fixing point & Appendix 4 - Highest fixing point for more information on the room.

Videowall Requirements

The videowall solution will need the following in order to meet NOC Southampton's requirements within the projects limitations:

- 1 x 8 screen video wall professional grade, full HD resolution on each individual display, with the capability to use 4K loop through to display at 4K resolution of 4 displays at a time.
- Enhanced colour calibration
- Minimal servicing and maintenance overhead
- Modular mounting system with reduced point loading
- 8 x 55" (minimum active screen area is 47.5" x 26.6") Displays, mounts and mounting kit
- Full HD (1920 x 1080)
- Direct LED backlighting
- Sense x automatic colour brightness calibration
- Minimum of 1000,00 hours of backlight lifetime
- Fan-less cooling system
- A maximum operation temperature of 40°C
- Response time must not exceed 8.6ms
- Must be bezel-less
- 5.1 Speaker System with compatible audio switching, amplification and synchronisation

- Must be compatible with the ClickShare CSE-800 wireless presentation system to allow for near seamless and secure 4k sharing of content (8 users on screen, 64 connected) from all site laptop or mobile devices
- Small rack to house wall controller, inclusive of redundant power
- All required cabling, interconnects and consumables
- Minimum 3 years OEM warranty on all items
- Full professional services, including project management, system design, survey, installation and labour
- All delivery, transportation and insurance costs

Bidders must onl	y submit one s	solution, v	ariants and o	optional wil	I not be acce	pted.
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Section 5 - Evaluation model

The evaluation model below shall be used for this ITQ, which will be determined to two decimal places.

Where a question is 'for information only' it will not be scored.

The evaluation team may comprise staff from UK SBS, and the Contracting Authority ----- and any specific external stakeholders the Contracting Authority deems required. After evaluation the scores will be finalised by performing a calculation to identify (at question level) the mean average of all evaluators (Example – a question is scored by three evaluators and judged as scoring 5, 5 and 6. These scores will be added together and divided by the number of evaluators to produce the final score of 5.33 ($5+5+6=16\div3=5.33$)

Pass / fail criteria			
Questionnaire	Q No.	Question subject	
Commercial	SEL1.2	Employment breaches/ Equality	
Commercial	FOI1.1	Freedom of Information Exemptions	
Commercial	AW1.1	Form of Bid	
Commercial	AW1.3	Certificate of Bona Fide Bid	
Commercial	AW3.1	Validation check	
Commercial	AW4.1	Contract Terms	
Price	AW5.5	E Invoicing	
Price	AW5.6	Implementation of E-Invoicing	
Quality	AW6.1	Compliance to the Specification	
Commercial	SEL3.11	Compliance to Section 54 of the Modern Slavery Act	
Quality	PROJ1.1	Delivery Date	
Quality	PROJ1.2	Installation and Configuration Date	
Quality	PROJ1.3	Certified partner/distributor	

Scoring criteria

Evaluation Justification Statement

In consideration of this particular requirement the Contracting Authority has decided to evaluate Potential Providers by adopting the weightings/scoring mechanism detailed within this ITQ. The Contracting Authority considers these weightings to be in line with existing best practice for a requirement of this type.

Questionnaire	Q No.	Question subject	Maximum Marks
Price	AW5.2	Price	40%
Quality	PROJ1.4	Expertise Demonstration	10%
Quality	PROJ1.5	Project Delivery	15%
Quality	PROJ1.6	Screen Weight	20%
Quality	PROJ1.7	Mount Methodology	15%

Evaluation of criteria

Non-Price elements

Each question will be judged on a score from 0 to 100, which shall be subjected to a multiplier to reflect the percentage of the evaluation criteria allocated to that question.

Where an evaluation criterion is worth 20% then the 0-100 score achieved will be multiplied by 20%.

Example if a Bidder scores 60 from the available 100 points this will equate to 12% by using the following calculation:

Score = {weighting percentage} x {bidder's score} = 20% x 60 = 12

The same logic will be applied to groups of questions which equate to a single evaluation criterion.

The 0-100 score shall be based on (unless otherwise stated within the question):

0	The Question is not answered or the response is completely unacceptable.
10	Extremely poor response – they have completely missed the point of the question.
20	Very poor response and not wholly acceptable. Requires major revision to the response to make it acceptable. Only partially answers the requirement, with major deficiencies and little relevant detail proposed.
40	Poor response only partially satisfying the selection question requirements with deficiencies apparent. Some useful evidence provided but response falls well short of expectations. Low probability of being a capable supplier.
60	Response is acceptable but remains basic and could have been expanded upon. Response is sufficient but does not inspire.
80	Good response which describes their capabilities in detail which provides high levels of assurance consistent with a quality provider. The response includes a full description of techniques and measurements currently employed.
100	Response is exceptional and clearly demonstrates they are capable of meeting the requirement. No significant weaknesses noted. The response is compelling in its description of techniques and measurements currently employed, providing full assurance consistent with a quality provider.

All questions will be scored based on the above mechanism. Please be aware that the final score returned may be different as there may be multiple evaluators and their individual scores will be averaged (mean) to determine your final score.

Example

Evaluator 1 scored your bid as 60

Evaluator 2 scored your bid as 60

Evaluator 3 scored your bid as 40

Evaluator 4 scored your bid as 40

Your final score will $(60+60+40+40) \div 4 = 50$

Price elements will be judged on the following criteria.

The lowest price for a response which meets the pass criteria shall score 100. All other bids shall be scored on a pro rata basis in relation to the lowest price. The score is then subject to a multiplier to reflect the percentage value of the price criterion.

For example - Bid 1 £100,000 scores 100.

Bid 2 £120,000 differential of £20,000 or 20% remove 20% from price scores 80

Bid 3 £150,000 differential £50,000 remove 50% from price scores 50.

Bid 4 £175,000 differential £75,000 remove 75% from price scores 25.

Bid 5 £200,000 differential £100,000 remove 100% from price scores 0.

Bid 6 £300,000 differential £200,000 remove 100% from price scores 0.

Where the scoring criterion is worth 50% then the 0-100 score achieved will be multiplied by 50.

In the example if a supplier scores 80 from the available 100 points this will equate to 40% by using the following calculation: Score/Total Points multiplied by 50 (80/100 x 50 = 40)

The lowest score possible is 0 even if the price submitted is more than 100% greater than the lowest price.

Section 6 – Evaluation questionnaire

Bidders should note that the evaluation questionnaire is located within the **e-sourcing questionnaire**.

Guidance on completion of the questionnaire is available at http://www.uksbs.co.uk/services/procure/Pages/supplier.aspx

PLEASE NOTE THE QUESTIONS ARE NOT NUMBERED SEQUENTIALLY

Section 7 – General Information

What makes a good bid – some simple do's ©

DO:

- 7.1 Do comply with Procurement document instructions. Failure to do so may lead to disqualification.
- 7.2 Do provide the Bid on time, and in the required format. Remember that the date/time given for a response is the last date that it can be accepted; we are legally bound to disqualify late submissions. Unless formally requested to do so by UK SBS e.g. Emptoris system failure
- 7.3 Do ensure you have read all the training materials to utilise e-sourcing tool prior to responding to this Bid. If you send your Bid by email or post it will be rejected.
- 7.4 Do use Microsoft Word, PowerPoint Excel 97-03 or compatible formats, or PDF unless agreed in writing by the Buyer. If you use another file format without our written permission we may reject your Bid.
- 7.5 Do ensure you utilise the Emptoris messaging system to raise any clarifications to our ITQ. You should note that we will release the answer to the question to all Bidders and where we suspect the question contains confidential information we may modify the content of the question to protect the anonymity of the Bidder or their proposed solution
- 7.6 Do answer the question, it is not enough simply to cross-reference to a 'policy', web page or another part of your Bid, the evaluation team have limited time to assess bids and if they can't find the answer, they can't score it.
- 7.7 Do consider who the Contracting Authority is and what they want a generic answer does not necessarily meet every Contracting Authority's needs.
- 7.8 Do reference your documents correctly, specifically where supporting documentation is requested e.g. referencing the question/s they apply to.
- 7.9 Do provide clear, concise and ideally generic contact details; telephone numbers, emails and fax details.
- 7.10 Do complete all questions in the questionnaire or we may reject your Bid.
- 7.11 Do check and recheck your Bid before dispatch.

What makes a good bid – some simple do not's ⊗

DO NOT

- 7.12 Do not cut and paste from a previous document and forget to change the previous details such as the previous buyer's name.
- 7.13 Do not attach 'glossy' brochures that have not been requested, they will not be read unless we have asked for them. Only send what has been requested and only send supplementary information if we have offered the opportunity so to do.
- 7.14 Do not share the Procurement documents, they are confidential and should not be shared with anyone without the Buyers written permission.
- 7.15 Do not seek to influence the procurement process by requesting meetings or contacting UK SBS or the Contracting Authority to discuss your Bid. If your Bid requires clarification the Buyer will contact you. All information secured outside of formal Buyer communications shall have no Legal standing or worth and should not be relied upon.
- 7.16 Do not contact any UK SBS staff or the Contracting Authority staff without the Buyers written permission or we may reject your Bid.
- 7.17 Do not collude to fix or adjust the price or withdraw your Bid with another Party as we will reject your Bid.
- 7.18 Do not offer UK SBS or the Contracting Authority staff any inducement or we will reject your Bid.
- 7.19 Do not seek changes to the Bid after responses have been submitted and the deadline for Bids to be submitted has passed.
- 7.20 Do not cross reference answers to external websites or other parts of your Bid, the cross references and website links will not be considered.
- 7.21 Do not exceed word counts, the additional words will not be considered.
- 7.22 Do not make your Bid conditional on acceptance of your own Terms of Contract, as your Bid will be rejected.

Some additional guidance notes

- 7.23 All enquiries with respect to access to the e-sourcing tool and problems with functionality within the tool must be submitted to Crown Commercial Service (previously Government Procurement Service), Telephone 0345 010 3503.
- 7.24 Bidders will be specifically advised where attachments are permissible to support a question response within the e-sourcing tool. Where they are not permissible any attachments submitted will not be considered as part of the evaluation process.
- 7.25 Question numbering is not sequential and all questions which require submission are included in the Section 6 Evaluation Questionnaire.
- 7.26 Any Contract offered may not guarantee any volume of work or any exclusivity of supply.
- 7.27 We do not guarantee to award any Contract as a result of this procurement
- 7.28 All documents issued or received in relation to this procurement shall be the property of the Contracting Authority. / UKSBS.
- 7.29 We can amend any part of the procurement documents at any time prior to the latest date / time Bids shall be submitted through Emptoris.
- 7.30 If you are a Consortium you must provide details of the Consortiums structure.
- 7.31 Bidders will be expected to comply with the Freedom of Information Act 2000 or your Bid will be rejected.
- 7.32 Bidders should note the Government's transparency agenda requires your Bid and any Contract entered into to be published on a designated, publicly searchable web site. By submitting a response to this ITQ Bidders are agreeing that their Bid and Contract may be made public
- 7.33 Your bid will be valid for 60 days or your Bid will be rejected.
- 7.34 Bidders may only amend the contract terms during the clarification period only, only if you can demonstrate there is a legal or statutory reason why you cannot accept them. If you request changes to the Contract terms without such grounds and the Contracting Authority fail to accept your legal or statutory reason is reasonably justified we may reject your Bid.
- 7.35 We will let you know the outcome of your Bid evaluation and where requested will provide a written debrief of the relative strengths and weaknesses of your Bid.
- 7.36 If you fail mandatory pass / fail criteria we will reject your Bid.
- 7.37 Bidders are required to use IE8, IE9, Chrome or Firefox in order to access the functionality of the Emptoris e-sourcing tool.
- 7.38 Bidders should note that if they are successful with their proposal the Contracting Authority reserves the right to ask additional compliancy checks prior to the award of

any Contract. In the event of a Bidder failing to meet one of the compliancy checks the Contracting Authority may decline to proceed with the award of the Contract to the successful Bidder.

- 7.39 All timescales are set using a 24 hour clock and are based on British Summer Time or Greenwich Mean Time, depending on which applies at the point when Date and Time Bids shall be submitted through Emptoris.
- 7.40 All Central Government Departments and their Executive Agencies and Non Departmental Public Bodies are subject to control and reporting within Government. In particular, they report to the Cabinet Office and HM Treasury for all expenditure. Further, the Cabinet Office has a cross-Government role delivering overall Government policy on public procurement including ensuring value for money and related aspects of good procurement practice.

For these purposes, the Contracting Authority may disclose within Government any of the Bidders documentation/information (including any that the Bidder considers to be confidential and/or commercially sensitive such as specific bid information) submitted by the Bidder to the Contracting Authority during this Procurement. The information will not be disclosed outside Government. Bidders taking part in this ITQ consent to these terms as part of the competition process.

7.41 The Government is introducing its new Government Security Classifications (GSC) classification scheme on the 2nd April 2014 to replace the current Government Protective Marking System (GPMS). A key aspect of this is the reduction in the number of security classifications used. All Bidders are encouraged to make themselves aware of the changes and identify any potential impacts in their Bid, as the protective marking and applicable protection of any material passed to, or generated by, you during the procurement process or pursuant to any Contract awarded to you as a result of this tender process will be subject to the new GSC. The link below to the Gov.uk website provides information on the new GSC:

https://www.gov.uk/government/publications/government-security-classifications

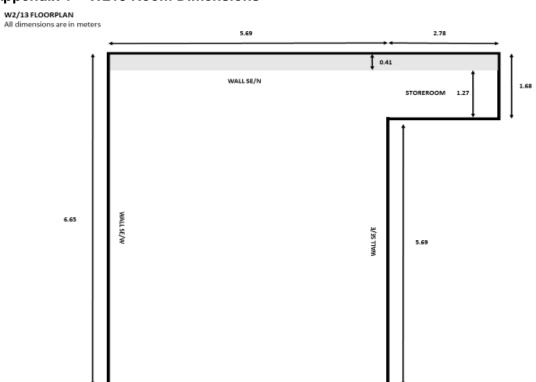
The Contracting Authority reserves the right to amend any security related term or condition of the draft contract accompanying this ITQ to reflect any changes introduced by the GSC. In particular where this ITQ is accompanied by any instructions on safeguarding classified information (e.g. a Security Aspects Letter) as a result of any changes stemming from the new GSC, whether in respect of the applicable protective marking scheme, specific protective markings given, the aspects to which any protective marking applies or otherwise. This may relate to the instructions on safeguarding classified information (e.g. a Security Aspects Letter) as they apply to the procurement as they apply to the procurement process and/or any contracts awarded to you as a result of the procurement process.

USEFUL INFORMATION LINKS

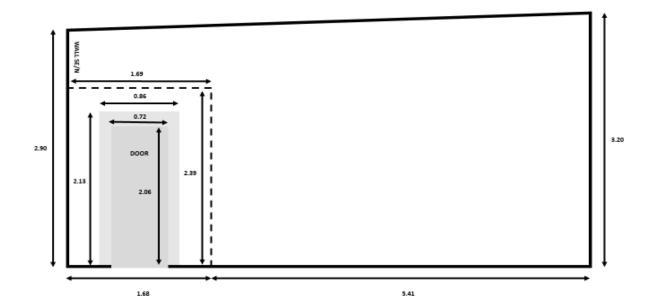
- Emptoris Training Guide
- Emptoris e-sourcing tool
- Contracts Finder
- Equalities Act introduction
- Bribery Act introduction
- Freedom of information Act

Appendix

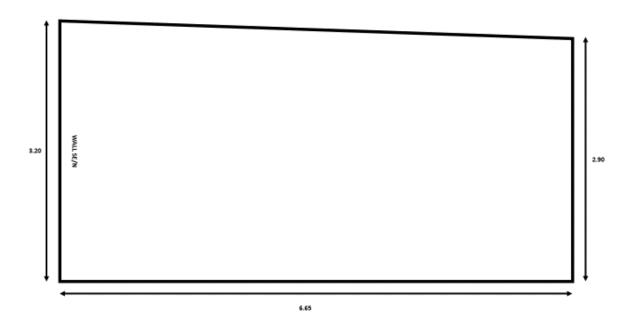
Appendix 1 – W213 Room Dimensions



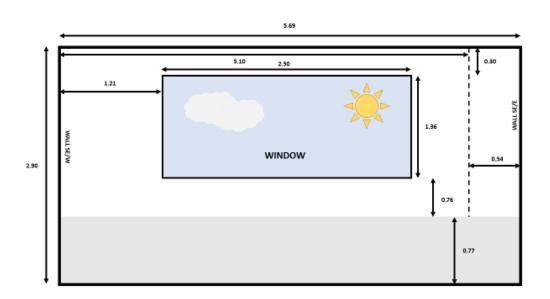
W2/13 WALL SE/E All dimensions are in meters



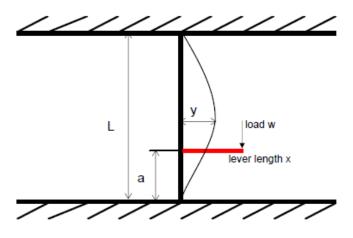
2.08



W2/13 WALL SE/N All dimensions are in meters



Appendix 2 – Lowest fixing point



L=	3500	mm
a=	1000	mm
w=	300	N
EI=	3.75E+10	Nmm ²
X =	118	mm

Deflection y=

Where: μ =

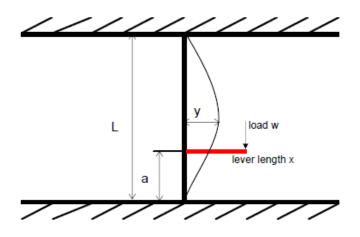
$$\left\{ \frac{3}{10000} \right. \quad \text{L3 + 0.55 L2 + 1350 L + 500000} \quad \right\}$$

Moment Induced M= $\frac{w}{L}$ (L-500)

$$\mu = 12866089$$

Deflection y =		1.16 mm
1/240 =	14.58	
1/360 =	9.7	
1/500 =	7.0	

Appendix 3 – Mid fixing point



L=	3500 mm
a=	2366 mm
w=	300 N
EI=	3.75E+10 Nmm ²
χ=	118 mm

Deflection y=
$$\frac{a \quad w \quad x}{3 \text{ El } L} (\mu)$$

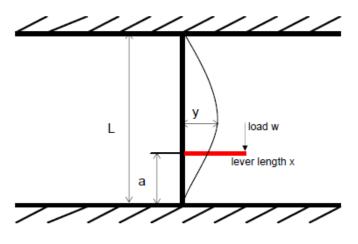
Where:
$$\mu$$
= $\left\{ \frac{3}{10000} \cdot \text{L3} + 0.55 \text{ L2} + 1350 \text{ L} + 500000 \right\}$

Moment Induced M=
$$\frac{w}{L}$$
 (L-500)

$$\mu = 12866089$$

Deflection y =		2.74 mm
1/240 =	14.58	
I/360 =	9.7	
I/500 =	7.0	

Appendix 4 – Highest fixing point



L=	3500	mm
a=	1683	mm
w=	300	N
EI=	3.75E+10	Nmm ²
χ=	118	mm

Where: μ = $\left\{ \frac{3}{10000}$. L3 + 0.55 L2 + 1350 L + 500000 $\right\}$

Moment Induced M= $\frac{w}{L}$ (L-500)

 $\mu = 12866089$

Deflection y =		1.95	mm
1/240 =	14.58		
1/360 =	9.7		
1/500 =	7.0		