

TRANSNET NATIONAL PORTS AUTHORITY

SCADA AND PLC SYSTEMS

Technical evaluation criteria (minimum threshold of **60%** will qualify bidders to the next phase)

TECHNICAL EVALUATION		Maximum score
Company qualifications Company (contractor) returnable documents (a certified copy is required for each certificate) - Certificate from Schneider Electric or Wonderware or AVEVA or IS3 for the year 2021 or 2022 proving that the contractor is currently a (registered or certified) Systems integrator - Certificate from Schneider Electric or Wonderware or AVEVA or IS3 for the year 2021 or 2022 proving that the contractor is currently AVEVA System Platform certified. - Certificate from Schneider Electric or AVEVA or IS3 for the year 2021 or 2022 proving that the contractor is currently an Alliance (certified or master) partner. Note: certificates that have expired will not be evaluated.	0= No information on company qualifications submitted 20%= The Contractors Company is currently a registered Schneider Electric or Wonderware or AVEVA or IS3 systems integrator. 40%= The Contractors Company is currently a certified Schneider Electric or Wonderware or AVEVA or IS3 systems integrator. 60%= The Contractors Company is currently a certified Schneider Electric or Wonderware or AVEVA or IS3 systems integrator and a Schneider Electric or AVEVA or IS3 certified alliance partner. 80%= The Contractors Company is currently a certified Schneider Electric or Wonderware or AVEVA or IS3 systems integrator, AVEVA system platform certified and a Schneider Electric or AVEVA or IS3 certified alliance partner. 100%= The Contractors Company is currently a certified Schneider Electric or Wonderware or AVEVA or IS3 systems integrator, AVEVA system platform certified and a Schneider Electric or AVEVA or IS3 master alliance partner.	10
Company experience Company portfolio of experience for System Platform, InTouch for System Platform and Schneider electric PLC projects or maintenance contracts. The portfolio of experience must include the name of the Company as well as the contact details of a company representative (cell phone) for which the above work was undertaken, for verification purposes. The type of work, project or maintenance and the type of software implemented and configured, and duration must also be detailed. The more information provided the better.	0= The company has 0-2 years' experience in projects and or maintenance contracts or no evidence of such was submitted. 20%= The company has 3-4 years' experience in SCADA and PLC projects and or maintenance contracts. 40%= The company has 5-6 years' experience in SCADA and PLC projects and or maintenance contracts. 60%= The company has 7-8 years' experience in SCADA and PLC projects and or maintenance contracts. 80%= The company has 9-10 years' experience in SCADA and PLC projects and or maintenance contracts. 100%= The company has 11 or more years of experience in SCADA and PLC projects and or maintenance contracts.	10
Policy, Organisation and Safety and Health Management Involvement Critical Elements numbers 1, 2, 3 and 4 1. Safety and Health Plan	0= No response or none of the key elements met. 20%= The Service provider has submitted Policy, Organisation and Safety and Health Management Involvement. with the key elements met but only 1 element is critical.	

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2. Signed and dated Safety and Health Policy copy signed by the Chief Executive Officer / Managing Director 3. OHS Act 16.2 Appointee 4. Relevant SHE legal appointees in terms of Construction Regulations applicable to the Project: ○ SHE Representatives ○ First Aiders ○ Risk Assessors 5. Company organogram	40%= The Service provider has submitted Policy, Organisation and Safety and Health Management Involvement with the key elements met but only 2 are critical elements. 60%= The Service provider has submitted Policy, Organisation and Safety and Health Management Involvement with 1, 2 and 3 critical elements met. 80%= The Service provider has submitted Policy, Organisation and Safety and Health Management Involvement with 1, 2, 3 critical elements and element 4 met. 100%= The Service provider has submitted Policy, Organisation and Safety and Health Management Involvement with all 5 elements met including the 3 critical elements.	10
Risk Assessment The Service provider to submit a detailed Risk Assessment. The information to ensure SHE compliance in terms of Scope of work – Critical Elements are numbers 1, 2 and 3 Baseline risk assessment which as a minimum includes these critical elements: 1. Identify the risks and hazards to which persons may be exposed to. 2. Analysis and evaluation of identified risks/ hazards. 3. Measures to mitigate, reduce or control the risks and hazards identified with roles and responsibilities for implementation and control. 4. Defined Risk Assessment methodology in which risks are quantified. 5. Signed Risk assessment by 16.2 or Construction Manager or Construction Supervisor.	0= No response or none of the key elements met. 20%= The Service provider has submitted a Risk Assessment with the key elements met but only 1 element is critical. 40%= The Service provider has submitted a Risk Assessment with the key elements met but only 2 are critical elements. 60%= The Service provider has submitted a Risk Assessment with 1, 2 and 3 critical elements met. 80%= The Service provider has submitted a Risk Assessment with 1, 2, 3 critical elements and element 4 met. 100%= The Service provider has submitted a Risk Assessment with all 5 elements met including the 3 critical elements.	5
Method Statement- documents or required information to ensure SHE compliance in terms of Scope of work – Critical Elements are numbers 1, 2 and 3 1. Scope of the work and hazards identified are aligned to risk assessment. 2. Minimum Personal Protective Equipment (PPE) required to complete the job 3. Personnel required and responsibilities 4. Resources and equipment required 5. Emergency procedures	0= No response or none of the key elements met. 20%= The Service provider has submitted a Method Statement with the key elements met but only 1 element is critical. 40%= The Service provider has submitted a Method Statement with the key elements met but only 2 are critical elements. 60%= The Service provider has submitted a Method Statement with 1, 2 and 3 critical elements met. 80%= The Service provider has submitted a Method Statement with 1, 2, 3 critical elements and element 4 met.	5

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	100%= The Service provider has submitted a Method Statement with all 5 elements met including the 3 critical elements.	
Systems integrator 1 – qualifications System integrator returnable documents (a certified copy is required for each qualification) • Certificate of qualification for an application developer for Wonderware or Schneider electric or AVEVA or IS3, Application server, version 2017 or 2020, • Certificate of qualification for an application developer for Wonderware or Schneider electric or AVEVA or IS3, InTouch for System platform version 2017 or 2020. • Schneider electric or AVEVA or IS3, EcoStruxure Plant Certified – Control Systems certificate of qualification for 2019, 2020 or 2021. • Certificate of qualification for an application developer for Wonderware or Schneider electric or AVEVA or IS3, Historian server, version 2017 or 2020. • Certificate of qualification for an application developer for Wonderware or Schneider electric or AVEVA or IS3, Historian client, version 2017 or 2020. Note: certificates that have expired will not be evaluated.	0= No information on system integrator qualifications submitted.	5
	20%= Wonderware or Schneider electric or AVEVA or IS3 application server version, 2017 or 2020, certificate of qualification submitted.	
	40%= 1) Wonderware or Schneider electric or AVEVA or IS3 application server, version 2017 or 2020 certificate of qualification submitted.	
	2) Wonderware or Schneider electric or AVEVA or IS3, InTouch for system platform, version 2017 or 2020 certificate of qualification submitted.	
	60%= 1) Wonderware or Schneider electric or AVEVA or IS3 application server, version 2017 or 2020 certificate of qualification submitted.	
	2) Wonderware or Schneider electric or AVEVA or IS3, InTouch for system platform, version 2017 or 2020 certificate of qualification submitted.	
	3) Schneider electric or AVEVA or IS3, Ecostruxure Plant Certified – Control Systems certificate of qualification for 2019 or 2020 or 2021 submitted.	
	80%= 1) Wonderware or Schneider electric or AVEVA or IS3 application server, version 2017 or 2020 certificate of qualification submitted.	
	2) Wonderware or Schneider electric or AVEVA or IS3, InTouch for system platform, version 2017 or 2020 certificate of qualification submitted.	
	3) Schneider electric or AVEVA or IS3, Ecostruxure Plant Certified – Control Systems certificate of qualification for 2019 or 2020 or 2021 submitted.	
	4) Wonderware or Schneider electric or AVEVA or IS3, Historian server, version 2017 or 2020 certificate of qualification submitted.	
	100%= 1) Wonderware or Schneider electric or AVEVA or IS3 application server, version 2017 or 2020 certificate of qualification submitted.	
	2) Wonderware or Schneider electric or AVEVA or IS3, InTouch for system platform, version 2017 or 2020 certificate of qualification submitted.	
	3) Schneider electric or AVEVA or IS3, Ecostruxure Plant Certified – Control Systems certificate of qualification for 2019 or 2020 or 2021 submitted.	

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	4) Wonderware or Schneider electric or AVEVA or IS3, Historian server, version 2017 or 2020 certificate of qualification submitted. 5) Wonderware or Schneider electric or AVEVA or IS3, Historian client, version 2017 or 2020 certificate of qualification submitted.	
Systems integrator 1 – experience - The contractor must submit a portfolio of experience for the system integrator whose qualifications were submitted for system integrator 1. - The portfolio of experience must detail the permanent employee's functions and their experience working with Application server, InTouch for System Platform, Historian server and Schneider electric PLC'S. The portfolio of experience must detail the type of work completed, project or maintenance and cost and duration. The more information provided the better. - Proof that the systems integrator to be evaluated is permanently employed at the company (contractors) Durban business offices which are within 55 kilometers of the Port of Durban. No points will be awarded to the systems integrator for this section if the Durban business office criteria is not met.	0= Has 0-2 years' experience in working with System platform Application Server, InTouch for system platform, Historian server and Schneider electric PLC's, is not permanently based in the contractors Durban office or no evidence was submitted. 20%= 1) Has 3-4 years' experience in working with System platform Application Server, InTouch for System platform, Historian server and Schneider electric PLC's. 2) Is permanently based in the contractors Durban area business office. 40% = 1) Has 5-6 years' experience in working with System platform Application Server, InTouch for system platform, Historian server and Schneider electric PLC's. 2) Is permanently based in the contractors Durban area business office. 60% = 1) Has 7-8 years' experience in working with System platform Application Server, InTouch for System platform, Historian server and Schneider electric PLC's. 2)Is permanently based in the contractors Durban area business office. 80%= 1) Has 9-10 years' experience in working with System platform Application Server, InTouch for System platform, Historian server and Schneider electric PLC's. 2)Is permanently based in the contractors Durban area business office. 100%= 1) Has 11 or more years' experience in working with System platform Application Server, InTouch for System platform, Historian server and Schneider electric PLC's. 2) Is permanently based in the contractors Durban area business office.	15
Systems integrator 2 – qualifications System integrator returnable documents (a certified copy is required for each qualification)	0= No information on system integrator qualifications submitted. 20%= Wonderware or Schneider electric or AVEVA or IS3 application server version, 2017 or 2020, certificate of qualification submitted.	

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• Certificate of qualification for an application developer for Wonderware or Schneider electric or AVEVA or IS3, Application server, version 2017 or 2020, • Certificate of qualification for an application developer for Wonderware or Schneider electric or AVEVA or IS3, InTouch for System platform version 2017 or 2020. • Schneider electric or AVEVA or IS3, EcoStruxure Plant Certified – Control Systems certificate of qualification for 2019, 2020 or 2021. • Certificate of qualification for an application developer for Wonderware or Schneider electric or AVEVA or IS3, Historian server, version 2017 or 2020. • Certificate of qualification for an application developer for Wonderware or Schneider electric or AVEVA or IS3, Historian client, version 2017 or 2022.	40%= 1) Wonderware or Schneider electric or AVEVA or IS3 application server, version 2017 or 2020 certificate of qualification submitted. 2) Wonderware or Schneider electric or AVEVA or IS3, Intouch for system platform, version 2017 or 2020 certificate of qualification submitted. 60%= 1) Wonderware or Schneider electric or AVEVA or IS3 application server, version 2017 or 2020 certificate of qualification submitted. 2) Wonderware or Schneider electric or AVEVA or IS3, Intouch for system platform, version 2017 or 2020 certificate of qualification submitted. 3) Schneider electric or AVEVA or IS3, Ecostruxure Plant Certified – Control Systems certificate of qualification for 2019 or 2020 or 2021 submitted. 80%= 1) Wonderware or Schneider electric or AVEVA or IS3 application server, version 2017 or 2020 certificate of qualification submitted.	
Note: certificates that have expired will not be evaluated.	2) Wonderware or Schneider electric or AVEVA or IS3, Intouch for system platform, version 2017 or 2020 certificate of qualification submitted. 3) Schneider electric or AVEVA or IS3, Ecostruxure Plant Certified – Control Systems certificate of qualification for 2019 or 2020 or 2021 submitted. 4) Wonderware or Schneider electric or AVEVA or IS3, Historian server, version 2017 or 2020 certificate of qualification submitted. 100%= 1) Wonderware or Schneider electric or AVEVA or IS3 application server, version 2017 or 2020 certificate of qualification submitted. 2) Wonderware or Schneider electric or AVEVA or IS3, Intouch for system platform, version 2017 or 2020 certificate of qualification submitted. 3) Schneider electric or AVEVA or IS3, Ecostruxure Plant Certified – Control Systems certificate of qualification for 2019 or 2020 or 2021 submitted. 4) Wonderware or Schneider electric or AVEVA or IS3, Historian sever, version 2017 or 2020 certificate of qualification submitted. 5) Wonderware or Schneider electric or AVEVA or IS3, Historian client, version 2017 or 2020 certificate of qualification submitted.	5

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Systems integrator 2 – experience - The contractor must submit a portfolio of experience for the system integrator whose qualifications were submitted for system integrator 2. - The portfolio of experience must detail the permanent employee's functions and their experience working with Application server, InTouch for System Platform, Historian server and Schneider electric PLC'S. The portfolio of experience must detail the type of work completed, project or maintenance and cost and duration. The more information provided the better. - Proof that the systems integrator to be evaluated is permanently employed at the company (contractors) Durban business offices which are within 55 kilometers of the Port of Durban. No points will be awarded to the systems integrator for this section if the Durban business office criteria is not met.	0= Has 0-2 years' experience in working with System platform Application Server, InTouch for system platform, Historian server and Schneider electric PLC's, is not permanently based in the contractors Durban office or no evidence was submitted. 20%= 1) Has 3-4 experience in working with System platform Application Server, InTouch for System platform, Historian server and Schneider electric PLC's. 2) Is permanently based in the contractors Durban area business office. 40% = 1) Has 5-6 years' experience in working with System platform Application Server, InTouch for system platform, Historian server and Schneider electric PLC's. 2) Is permanently based in the contractors Durban area business office. 60% = 1) Has 7-8 years' experience in working with System platform Application Server, InTouch for System platform, Historian server and Schneider electric PLC's. 2)Is permanently based in the contractors Durban area business office. 80%= 1) Has 9-10 years' experience in working with System platform Application Server, InTouch for System platform, Historian server and Schneider electric PLC's. 2)Is permanently based in the contractors Durban area business office. 100%= 1) Has 11 or more years' experience in working with System platform Application Server, InTouch for System platform, Historian server and Schneider electric PLC's. 2) Is permanently based in the contractors Durban area business office.	15
Systems integrator 3 – qualifications System integrator returnable documents (a certified copy is required for each qualification) - Certificate of qualification for an application developer for Wonderware or Schneider electric or AVEVA or IS3, Application server, version 2017 or 2020, - Certificate of qualification for an application developer for Wonderware or Schneider electric or AVEVA or IS3, InTouch for System platform version 2017 or 2020.	0= No information on system integrator qualifications submitted. 20%= Wonderware or Schneider electric or AVEVA or IS3 application server version, 2017 or 2020, certificate of qualification submitted. 40%= 1) Wonderware or Schneider electric or AVEVA or IS3 application server, version 2017 or 2020 certificate of qualification submitted. 2) Wonderware or Schneider electric or AVEVA or IS3, Intouch for system platform, version 2017 or 2020 certificate of qualification submitted.	

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- Schneider electric or AVEVA or IS3, EcoStruxure Plant Certified – Control Systems certificate of qualification for 2019, 2020 or 2021. - Certificate of qualification for an application developer for Wonderware or Schneider electric or AVEVA or IS3, Historian server, version 2017 or 2020. - Certificate of qualification for an application developer for Wonderware or Schneider electric or AVEVA or IS3, Historian client, version 2017 or 2022. Note: certificates that have expired will not be evaluated.	60%= 1) Wonderware or Schneider electric or AVEVA or IS3 application server, version 2017 or 2020 certificate of qualification submitted. 2) Wonderware or Schneider electric or AVEVA or IS3, Intouch for system platform, version 2017 or 2020 certificate of qualification submitted. 3) Schneider electric or AVEVA or IS3, Ecostruxure Plant Certified – Control Systems certificate of qualification for 2019 or 2020 or 2021 submitted. 80%= 1) Wonderware or Schneider electric or AVEVA or IS3 application server, version 2017 or 2020 certificate of qualification submitted. 2) Wonderware or Schneider electric or AVEVA or IS3, Intouch for system platform, version 2017 or 2020 certificate of qualification submitted. 3) Schneider electric or AVEVA or IS3, Ecostruxure Plant Certified – Control Systems certificate of qualification for 2019 or 2020 or 2021 submitted. 4) Wonderware or Schneider electric or AVEVA or IS3, Historian server, version 2017 or 2020 certificate of qualification submitted. 100%= 1) Wonderware or Schneider electric or AVEVA or IS3 application server, version 2017 or 2020 certificate of qualification submitted. 2) Wonderware or Schneider electric or AVEVA or IS3, Intouch for system platform, version 2017 or 2020 certificate of qualification submitted. 3) Schneider electric or AVEVA or IS3, Ecostruxure Plant Certified – Control Systems certificate of qualification for 2019 or 2020 or 2021 submitted. 4) Wonderware or Schneider electric or AVEVA or IS3, Historian sever, version 2017 or 2020 certificate of qualification submitted. 5) Wonderware or Schneider electric or AVEVA or IS3, Historian client, version 2017 or 2020 certificate of qualification submitted.	5
Systems integrator 3 – experience - The contractor must submit a portfolio of experience for the system integrator whose qualifications were submitted for system integrator 3. - The portfolio of experience must detail the permanent employee's functions and their	0= Has 0-2 years' experience in working with System platform Application Server, InTouch for system platform, Historian server and Schneider electric PLC's, is not permanently based in the contractors Durban office or no evidence was submitted. 20%= 1) Has 3-4 years' experience in working with System platform Application Server, InTouch	

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experience working with Application server, InTouch for System Platform, Historian server and Schneider electric PLC'S. The portfolio of experience must detail the type of work completed, project or maintenance and cost and duration. The more information provided the better. • Proof that the systems integrator to be evaluated is permanently employed at the company (contractors) Durban business offices which are within 55 kilometers of the Port of Durban. No points will be awarded to the systems integrator for this section if the Durban business office criteria is not met.	for System platform, Historian server and Schneider electric PLC's. 2) Is permanently based in the contractors Durban area business office. 40% = 1) Has 5-6 years' experience in working with System platform Application Server, InTouch for system platform, Historian server and Schneider electric PLC's. 2) Is permanently based in the contractors Durban area business office. 60% = 1) Has 7-8 years' experience in working with System platform Application Server, InTouch for System platform, Historian server and Schneider electric PLC's. 2)Is permanently based in the contractors Durban area business office. 80%= 1) Has 9-10 years' experience in working with System platform Application Server, InTouch for System platform, Historian server and Schneider electric PLC's. 2)Is permanently based in the contractors Durban area business office. 100%= 1) Has 11 or more years' experience in working with System platform Application Server, InTouch for System platform, Historian server and Schneider electric PLC's. 2) Is permanently based in the contractors Durban area business office.	15
		100