Eskom	Strategy	Research Testing and Development

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Compiled by	Functional Responsibility	Authorised by
.....	.....	.....
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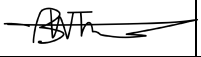
Engineer	**Chief Engineer**	**Gas & Renewable COE Manager**
Date: 01/04/2026	Date: 17/04/2026	Date: 17/04/2026

ENGINEERING TEAM SIGN-OFF OF TECHNICAL EVALUATION STRATERGY

Responsible Person	Designation	Signature	Date
Chantelle Moll	Engineer		01/04/2026
Nyiko Baloyi	Senior Mechanical Engineer		01/04/2026
Eugene Motsoatsoe	Control and instrumentation Engineer		08/04/2026
Busi Green	Chief Electrical Engineer		02/04/2026
Byron Thomas	Eskom Real Estate – Engineer (Civil)		09/04/2026
Manie van Staden	Corporate Specialist: Hydrogen		2026-04-16
Marlize Andre	Corporate Specialist: Fire Detection and Prevention		2026/04/17
Andre Van Den Berg	Senior Advisor: Fire Detection and Prevention		2026/04/10
Sibusiso Maphumulo	Senior Engineer		01/04/2026

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TABLES

1. INTRODUCTION

Through the Renewable Hydrogen Research work completed to date, including the development of a Renewable hydrogen roadmap for Eskom, it has been determined that developing a pilot Renewable Hydrogen Facility (RHF) at Eskom Research and Innovation Centre (ERIC) will present Eskom with an informed pathway to plan for the adoption of green hydrogen. It will also present Eskom with an opportunity to develop skills through Eskom's participation in the key national initiatives in South Africa such as the South African Hydrogen Society Roadmap and South African Hydrogen Valley.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document covers the technical evaluation requirements that must be met during the procurement of an Engineer, Procure and Construct (EPC) contract for a hydrogen production plant that will be integrated with the existing renewable energy infrastructure at ERIC.

2.1.1 Purpose

The purpose of this tender technical evaluation strategy is to define the Mandatory Evaluation Criteria, Qualitative Evaluation Criteria and Technical Evaluation Team (TET) member responsibilities for tender technical evaluation. The technical evaluation strategy serves as basis for the tender technical evaluation process.

2.1.2 Applicability

This document will apply to the Research Testing and Development (RT&D), Renewable Hydrogen Facility.

2.2 NORMATIVE/INFORMATIVE REFERENCES

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

2.2.1 Normative

[1] 240-168966153: Generation Technical Tender Evaluation Procedure

[2] 32-1034 Eskom Procurement Supply Chan Management Procedure

2.2.2 Informative

[3] 240-RT&D-151 Specification for Renewable Hydrogen Facility

[4] 240-56227413 Hydrogen Systems Standard

2.3 DEFINITIONS

N/A

2.3.1 Classification

Controlled Disclosure: Controlled Disclosure to external parties (either enforced by law, or discretionary).

2.4 ABBREVIATIONS

Abbreviation	Description
C&I	Control and Instrumentation
CV	Curriculum Vitae
ECSA	Engineering Councill of South Africa
EPC	Engineer, Procure and Construct
ERIC	Eskom Research and Innovation Centre
FDIA	Fire Detection Industry Association
H_2	Hydrogen
ITP	Inspection and Test Plan
OEM	Original Equipment Manufacturer
PLC	Programmable Logic Controller
PMSA	Project Management South Africa
QCP	Quality Control Plan
RHF	Renewable Hydrogen Facility
RT&D	Research Testing and Development
SANS	South African National Standards
SAQCC	South African Qualification & Certification Committee
SHEQ	Safety, Health, Environment and Quality
TET	Technical Evacuation Team

2.5 ROLES AND RESPONSIBILITIES

As per 240-48929482: Tender Technical Evaluation Procedure

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

N / A

3. TENDER TECHNICAL EVALUATION STRATEGY

3.1 TECHNICAL EVALUATION THRESHOLD

The technical evaluation will include both mandatory and qualitative evaluation criteria. For a tenderer to be eligible for qualitative evaluation, the tenderer must meet all the mandatory requirements.

The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 80%.

3.2 TET MEMBERS

Table 1: TET Members

TET number	TET Member Name	Designation
TET 1	Chantelle Moll	Engineer
TET 2	Nyiko Baloyi	Senior Mechanical Engineer
TET 3	Shaun Pershad	Chief Mechanical Engineer
TET 4	Eugene Motsoatsoe	Control and instrumentation Engineer
TET 5	Paul Du Plessis	Control and instrumentation Engineer
TET 6	Busi Green	Chief Electrical Engineer
TET 7	Dyke Monyane	Chief Electrical Technologist
TET 8	Byron Thomas	Eskom Real Estate – Engineer (Civil)
TET 9	Kameel Burath	Civil Engineer
TET 10	Marlize Andre	Corporate Specialist: Fire Detection and Prevention
TET 11	Andre Van Den Berg	Senior Advisor: Fire Detection and Prevention
TET 12	Manie van Staden	Corporate Specialist: Hydrogen
TET 13	Sibusiso Maphumulo	Senior Engineer

3.3 MANDATORY TECHNICAL EVALUATION CRITERIA

Mandatory criteria (gatekeepers) are a 'must meet' criteria. These criteria are not weighted or point scored, but is assessed on a Yes / No basis as to whether or not the criteria are met. An assessment of 'No' against any criterion shall technically disqualify the tenderer and shall not be further evaluated against Qualitative Criteria.

Table 2: Mandatory Technical Evaluation Criteria

	Mandatory Technical Criteria Description	Reference to Technical Specification / Tender Returnable	Motivation for use of Criteria
M1	The electrolyser, including balance of plant, must be supplied by the Original Equipment Manufacturers (OEMs) or official local South African value adding reseller (VAR) or agents. The contractual agreement between the Tenderer and OEM must be provided. This could involve an agreement through a third party such as a local South African based value adding reseller (VAR) or agent. The contractual agreement between tenderer and OEM, must provide details showing: • Which party is responsible for: supply, test, install, commission, maintain, modify, and conduct operating and maintenance training to the end user of the equipment. • Should this responsibility be with the tenderer or local agent, the OEM shall confirm on a signed letter head that the local agent is authorized or accredited to perform these activities. • The names of the accredited people (of the local agent), their designation and their level of accreditation shall be listed in this letter and their CVs shall be submitted with the tender documentation. • The terms and duration of the agreements should match the contract duration of the RHF plant (as a minimum). • The letter of intent between the tenderer and the OEM shall not be accepted, as this is not a binding contractual agreement.	Tender Returnable Technical Schedule for Renewable Hydrogen Facility: Returnable For Mandatory Evaluation M1	Authorised plant equipment is installed, and guarantees can be upheld. Guarantee of the plant operation and support from the OEM and the local Agent. Confirm existing relationship between EPC (contractor) and OEM of electrolyser (manufacturer).

	• The following will be accepted as proof of a contractual agreement: Declaration from both partied that an agreement is in place or the signature page of the agreement. In both cases the details of what is covered in the agreement must be provided.		
M2	The contractor is required to submit a Deviation Schedule, (this is in addition to the 240-RT&D-782 Technical Schedule for Renewable Hydrogen Facility as required by 2.1 of the Qualitative Technical Evaluation Criteria). The Deviation Schedule must highlight deviation from all documents including NEC, VDSS, and any of the Eskom Standards as provided with the tender. This document will become a contractual document, should the tenderer be successful.	Tender Returnable Technical Schedule for Renewable Hydrogen Facility: Returnable For Mandatory Evaluation M2	To ensure that the contractor is well informed on the expectation of the contract as well as supporting standards and guidelines to be used. To mitigate the possibility of contractors declaring compliance and unable to deliver on execution

3.4 QUALITATIVE TECHNICAL EVALUATION CRITERIA

The qualitative criteria that will be assessed during tender evaluation are detailed in Table 4Table 1. Scoring of each criterion will be on a 1 – 5 scale based on the level of compliance with the scope, as detailed in Table 3 (unless detail are provided in Table 4). The minimum weighted final score (threshold) required for a tender to be considered from a technical perspective is 80%. In addition, Criteria 2.1 and 2.2 have a criteria threshold of 80%. I.e. A score of 80% for Evaluation Criteria 2.1 and 2.2 must be achieved as well as an overall weighted score of 80% in order to pass the technical evaluation. (If the final weighted score is above 80% but the tenderer scores below 80% on Evaluation criteria 2.1 or 2.2, the tenderer will fail)

Table 3: Scoring Criteria

SCORE	PERCENTAGE	DESCRIPTION
5	100	**COMPLIANT** • 100% of Tender Returnable with relevant information received AND • Meet technical requirement(s)/AND; • No foreseen technical risk(s) in meeting technical requirements.
4	80	**COMPLIANT WITH ASSOCIATED QUALIFICATIONS** • 80% of Tender Returnable with relevant information received AND • Meet technical requirement(s) with; • Acceptable technical risk(s) AND/OR; • Acceptable exceptions AND/OR; • Acceptable conditions.
2	40	**NON-COMPLIANT** • 40% of Tender Returnable with relevant information received AND • Does not meet technical requirement(s) AND/OR; • Unacceptable technical risk(s) AND/OR; • Unacceptable exceptions AND/OR; • Unacceptable conditions.
0	0	**TOTALLY DEFICIENT OR NON-RESPONSIVE**

Table 4: Qualitative Technical Evaluation Criteria

Qualitative Technical Criteria Description		Reference to Technical Specification / Tender Returnable	Scoring Criteria	Criteria Weighting (%)	Sub Weighting (%)
1	**General - Company Profile and Experience**			**Total: 20%**	
1.1	1.1.1. The Company Profile, Core Business Expertise and list of Experience will be evaluated to ensure that: • The tenderer has 5 years' experience or has completed 5 or more EPC contracts. 1.1.2. Reference Letter, Testimonials or Completion Certificates for completed hydrogen generations and balance of plant (BoP) projects will be evaluated to ensure that: • The tenderer has demonstrated that they have designed, constructed and commissioned a full hydrogen plant. • That this plant has been in operation for a period of more than three years from the date of commissioning without a significant failure? Eg cell stack 1.1.3 Contactable references must be provided. Project details with name of company and location, project description, size of electrolyser, contract value, construction period and operations performance of the plant. Should the tenderer choose to subcontract section of the scope this needs to be clearly stated. The company profile and work experience	240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 1.1	• 5 = more than 5 years' experience or 5 projects where the tenderer was the main EPC contractor AND 1 or more of these projects was for the installation of H_2 generation and BoP AND that plant has run for more than 3 years. (all subcontractors have 5 or more years' experience in their respective field) • 4 = 3 to 4 years' experience or projects where the tenderer was the main EPC contractor AND 1 or more of these projects was for the installation of a H_2 generation and BoP where operational performance has been submitted. (some subcontractors have 3 to 4 years' experience in their respective field) • 2 = 1 to 2 years' experience or projects where the tenderer was the main EPC contractor OR 1 or more projects for the installation of a H_2 generation and BoP (could still be in execution phase) (some subcontractors have 1 to 2 years' experience in their respective field)		30 %

	of the subcontractor must be submitted. The subcontractor will be evaluated on their experience based on the section of the scope they will be executing.		• 2 = more than 5 years' experience or 5 projects where the tenderer was the main EPC contractor but no experience in H_2 generation or BoP. • 0 = less than 1 year experience or project where the tenderer was the main EPC contractor AND no experience with EPC of H_2 generation and BoP. References that are confidential.		
1.2	Evaluation of the CV's will be to ensure that qualified personnel with the relevant experience (experience must be relevant to H_2 generation and balance of plant (BoP) design and construction) are included during the design, construction, commissioning, and operation of the plant. The CV's must show 5 years related experience and projects executed while performing at the level required by the scope (i.e 5 years' experience as a lead discipline engineer), work performed on H_2 generation and balance of plant (BoP), relevant qualifications (certified copies of certificate to be provided) and registration statue where relevant. The following CV's must be provided as a minimum 1.2.1. Engineering Work Design Lead (who has designed a hydrogen plant or has experience on hazardous works installation) 1.2.2. Expert on Hydrogen plant and BoP design, installation, commissioning and integration. 1.2.3. Mechanical Engineer 1.2.4. Electrical Engineer 1.2.5. C&I engineer	240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 1.2	• 5 = 5 or more years' experience with qualifications and professional registration • 4 = 3 / 4 years' experience with qualifications and professional registration. • 2 = 1 / 2 years' experience with qualifications and professional registration. • 2 = 5 or more years' experience with qualifications, and working under the guidance of a person with professional registration • 0 = No experience or no professional registration. Note: EWDL (5) Hydrogen Expert (5) Mechanical Engineer (5) Electrical Engineer (5) C&I engineer (5) Civil Engineer (5)		40 %

	1.2.6. Civil Engineer 1.2.7. Person responsible for issuing the CoC for H2 installations. 1.2.8. Master Installation Electrician		CoC (5) MIE (5)		
1.3	1.3.1 Project Execution Plan will be evaluated to ensure that: • The project scope if fully understood by the EPC contractor. • Recourse have been assessed and are available for the execution of the project. • Preliminary risks have been identified. 1.3.2 Project Program / Schedule will be evaluated to ensure that: • Key milestones have been identified, and project timelines have been assessed, and are comparable with the Eskom timeline for project delivery.	240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 1.3	• Assessed as per Table 3		30 %
2	**Functional and operational Specification of major plant and equipment.**			**Total: 25%**	
2.1	Level of compliance to the 240-RT&D-151 Specification for Renewable Hydrogen Facility and 240-56227413 Eskom Hydrogen System Standard will be assessed based on design information submitted (including but not limited to data sheet, drawings, P&IDs, control philosophy and maintenance manuals) to prove compliance to the Eskom standard for Hydrogen systems and on the completed 240-RT&D-782 Technical Schedule for Renewable Hydrogen Facility.	240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 2.1 & 240-RT&D-782 Technical Schedule for Renewable Hydrogen Facility (All Schedules)	• Assessed as per Table 3		25 % (This criterion has a pass/fail threshold of 80%)
2.2	All technical data sheet, drawings, P&IDs, control philosophy and detailed maintenance manuals of the electrolyser and information provided from the OEM on the electrolyser will be evaluated to assess if the following functional specification are met:	• 240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 2.2 • 240-RT&D-782	• Assessed as per Table 3 Sub-note for Electrolyser technology: 5 = PEM & AEM 3 = Alkaline		25 % (This criterion has a pass/fail threshold of 80%)

	• Electrolyser Technology to be supplied: Proton Exchange Membrane (PEM) or Anion Exchange Membrane (AEM) water electrolysis technology (preferred). Pressurised Alkaline Electrolyser (alternative) • Plant operational parameters of 50kW – 65kW, 99.9% H_2 purity, and production pressure of 27 bar. • Capability and control philosophy for load following provided, with the ability to exceed the specified turndown ratio during testing (without compromising safety control mechanisms). • Cell-stack life expectancy of >8 years. Minimum mean time between failures on cell stack. • Warranty of 2 years on the cell stack and 2 years on the balance of plant.	Technical Schedule for Renewable Hydrogen Facility (Schedule B & Schedule C) Note: Electrolyser Technology selection (5) Operational Parameters (5) Load following (5) Cell Stack Life and mean time between Failure (5) Warranty (5)			
2.3	Operational experience of the plant must be supplied by the tenderer. This will be evaluated to confirm that: • Reference plant is of a similar size and application (industrial application) to the scope of work • The plant has been in operation for a minimum of 3 years. (operation hour must equate to 3 years in service, approximately 18 000 hour) • The tenderer has provided a contactable reference employed at an operational plant clearly indicating plant location, date of construction and commissioning.	• 240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 2.3	• Assessed as per Table 3 Note: Contactable Reference (5) Plant application (5) Duration of operation (5)		15 %

2.4	The tenderer is to supply detail of the local agent which will be evaluated to ensure that the following criteria are met: • the local agent or VAR has personnel in South Africa that are trained and able to offer technical support, fault finding, routine maintenance and supply spares • OEM / authorised Local South African agent has a response time to rectify plant failure of < 21 days • Direct communication channel between the end-user and OEM for technical support are possible (and facilitated by the contractor.) • The OEM's visits South Africa regularly to audit end-user satisfaction with Local Agent.	• 240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 2.4	• Assessed as per Table 3		15 %
2.5	All technical data sheets, specification, OEM data, designs and drawing for other key component will be evaluated to determined compliance to the technical specification. This evaluation will be done on a component level for: • H_2 Electrolyser balance of plant (heaters, dryers, etc) • Demineralising water treatment plant. • H_2 storage tanks • H_2 end use station.	• 240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 2.5 • 240-RT&D-782 Technical Schedule for Renewable Hydrogen Facility (Schedule B & Schedule C)	• Assessed as per Table 3		10 %
2.6	To ensure that the tenderers are certified to work on Hazardous Locations. The following must be provided: • A letter or a certificate confirming that the company is certified to work on Hazardous Locations with Ex. Rated equipment received AND	• 240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 2.6	• 5 = Both letters or certificates received • 4 = only one letter received and a commitment to provide the other during contract • 2 = only one letters or certificates received • 0 = No letters or certificates		10 %

	• The letter or certificate confirming that the company is certified to work on a H_2 plant		received		
3	**Mechanical Specifications**			**Total: 10%**	
3.1	The method statement and deviation schedule together with design detail (technical data sheets, drawings, P&IDs etc.), will be assessed to ensure that the hydrogen generating plant meets the requirements listed in the standards and specifications.	• 240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 3.1 • 240-RT&D-782 Technical Schedule for Renewable Hydrogen Facility (Schedule D & Mechanical Section of Schedule A)	• Assessed as per Table 3		40 %
3.2	The CV of the Lead Discipline Engineer or Technologist (or other CVs of key personnel within the Mechanical Engineering field who are involved during the design, construction or commissioning phase of the project) will be evaluated to ensure a minimum of 5 years' experience and professional registrations with the respective Governing bodies (such as ECSA or Equivalent). CV of key personnel proving hydrogen generating plant and BoP, design, installation and commissioning experience and capability etc.,	• 240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 3.2	• 5 = 5 or more years' experience with professional registration • 4 = 3 / 4 years' experience with professional registration. • 2 = 1 / 2 years' experience with professional registration. • 2 = 5 or more years' experience, and working under the guidance of a person with professional registration • 0 = No experience or no professional registration.		40 %
3.3	Maintenance strategy and spares	• 240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 3.3	• Assessed as per Table 3		20 %
4	**Control and Instrumentation**			**Total: 10%**	
4.1	The contractor provides a high level C&I architecture drawing, clearly showing all	• 240-DT&D-783 Tender Returnable Technical	• Assessed as per Table 3 • 5 = Comprehensive architecture		40 %

	interfaces and the different Ex zones. The architectural drawing as a minimum shows the following: • Interface with electrical systems • Interface with the existing PV plant • Interface with the existing fire detection system (FDS) • Third party interface through the Eskom IT network	Schedule for Renewable Hydrogen Facility: 4.1 • 240-RT&D-782 Technical Schedule for Renewable Hydrogen Facility (Schedule E & C&I Section of Schedule A)	drawing, showing all interfaces and different zones • 4 = Architecture drawing with some deficiencies showing different zones • 2 = Elementary architecture drawing with significant scope omissions and zone classifications • 0 = non-responsive		
4.2	The Tenderer must provide a minimum of three contactable reference plants where the proposed SCADA solution has been implemented. This can be presented in a table indicating plant name, commissioning date and SCADA used. The plants should be contactable and SCADA availability figures must be provided. The SCADA software and support (in terms of updates) must also be included.	• 240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 4.2	• Assessed as per Table 3 • 5 = 3 or more plants in the last 10 years (green hydrogen) production • 4 = 3 or more plants (grey hydrogen production) • 2 = less than 2 plants (green or grey hydrogen production) • 0 = non-responsive		40 %
4.3	The contractor provides all datasheets for the equipment that forms part of the C&I works. This includes but is not limited to field equipment, SCADA (All components forming the SCADA system), and HMI (All Components forming the human machine interface).	• 240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 4.3	• 5 = Comprehensive coverage of all plant areas with zoning requirements explicitly stated • 4 = Substantial coverage of most plant areas including different zones • 2 = Coverage of some plant areas • 0 = non-responsive.		20 %
5	**Electrical**			**Total: 10%**	
5.1	Level of compliance to 240-RT&D-151 Specification for Renewable Hydrogen Facility will be assessed in terms of the details provided by the contractor on 240-RT&D-782 Technical Schedule for Renewable Hydrogen Facility, Schedule F and the method statement.	• 240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 5.1 • 240-RT&D-782 Technical Schedule for Renewable Hydrogen	• Assessed as per Table 3 • 5 = Full compliant • 4 = Compliant with associated qualifications • 2 = Non-compliant • 0 = Totally Deficient or Non responsive		100 %

		Facility (Schedule F & Electrical Section of Schedule A)			
6	**Civil**			**Total: 10%**	
6.1	Provide a detailed method statement and Deviation schedule for the Hydrogen generation plant, in line with the requirements listed in the standards and specifications. This method statement must clearly demonstrate a complete understanding of, and capability to perform the civil scope of work Note: Any other relevant information needed to demonstrate a compliance to civil requirement can be submitted	• 240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 6.1 • 240-RT&D-782 Technical Schedule for Renewable Hydrogen Facility (Schedule G & Civil Section of Schedule A)	• Assessed as per Table 3		50 %
6.2	The CV's of the Lead Discipline Engineer or Technologist (or other CV's of key personnel within the Civil Engineering field who are involved during the design, construction or commissioning phase of the project) will be evaluated to ensure a minimum of 5 years' experience and professional registrations with the respective Governing bodies (such as ECSA or Equivalent)	• 240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 6.2	• 5 = 5 or more years' experience with professional registration • 4 = 3 / 4 years' experience with professional registration. • 2 = 1 / 2 years' experience with professional registration. • 2 = 5 or more years' experience, and working under the guidance of a person with professional registration • 0 = No experience or No professional registration.		50 %
7	**Fire Protection**			**Total: 10%**	
7.1	The firefighting system (Protection System) meets the provisions of specified standards. Full achievement of the requirements specified in the enquiry, demonstrated strengths, no errors, weaknesses or omissions. Excellent response which demonstrates the ability to deliver the Fire	• 240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 7.1 • 240-RT&D-782 Technical Schedule for	• Assessed as per Table 3		40 %

	Protection scope far in excess of minimum requirements.	Renewable Hydrogen Facility (Schedule H & Fire Protection Section of Schedule A)			
7.2	Fire Detection System: The fire detection system meets the provisions of specified standards. Full achievement of the requirements specified in the enquiry, demonstrated strengths, no errors, weaknesses or omissions.	• 240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 7.2 • 240-RT&D-782 Technical Schedule for Renewable Hydrogen Facility (Schedule H & Fire Detection Section of Schedule A)	• Assessed as per Table 3		30 %
7.3	By virtue of the Department of Employment and Labour (DEOL) mandate to the South African Qualifications and Certification Committee (SAQCC), any person designing, installing, commissioning or maintaining Fire Detection System needs to be certified by SAQCC at the appropriate level. The Contractor or the nominated sub-contractor provides proof of paid-up valid registration with the SAQCC-fire. The proof is submitted as the following documents: 7.3.1. Fire Detection System: Proof of certification with FDIA (Fire Detection Installers Association) or FSIB (Fire Support Interoperability Board). 7.3.2. Person's SAQCC registration card, with visible registration number and category registered for. 7.3.3. Signed commitment of undertaking between the Contractor and the nominated sub-contractor if the registered	• 240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 7.3	• 5 = Proof provided, fully compliant • 2 = Partial proof provided, not fully compliant. • 0= No Proof		30 %

	person if associated with a sub-contractor. *Where the Contractor provides certificate(s) of the registered person(s), it is accompanied by the person(s) C.V.				
8	**Quality Assurance**			**Total: 5%**	
8.1	Procedures for installation and commissioning show compliance to requirements for Hazloc, Elec. Installation & Motors Testing, with indicated compliance to SANS 10142 (Elec. Installations) and SANS 10108 (Hazloc), as a minimum.	• 240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 8.1 • 240-RT&D-782 Technical Schedule for Renewable Hydrogen Facility (Schedule I)	• Assessed as per Table 3		40 %
8.2	Quality Control Plan	• 240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 8.2	• Assessed as per Table 3		30 %
8.3	Reference Check Sheets	• 240-DT&D-783 Tender Returnable Technical Schedule for Renewable Hydrogen Facility: 8.3	• Assessed as per Table 3		30 %
			TOTAL: 100		

Notes to tenderer:

1. An undertaking is required that resources identified would not be changed on award of Contract.
2. The CVs of key personnel should have experience which is comparable in nature to the works specified in this tender
3. It is required that key personnel, in particular, have good communication skill in the English language.
4. Where no information is offered by the Tenderer, no points shall be scored.
5. All technical data sheet, designs, operation and maintenance manuals, warranties, agreements with OEM, etc must be provided

in English.

6. The deviation schedule as completed during tendering will be included as a contractual document
7. An undertaking is required that the electrolyser (make, model, OEM, etc) and other technical specification as presented in the tender will not be changed on award of Contract.

3.5 TET MEMBER RESPONSIBILITIES

Table 5: TET Member Responsibilities

Mandatory Criteria Number	**TET 1**	**TET 2**	**TET 3**	**TET 4**	**TET 5**	**TET 6**	**TET 7**	**TET 8**	**TET 9**	**TET 10**	**TET 11**	**TET 12**	**TET 13**
1. Relationship between tenderer and OEM	X		X									X	X
Qualitative Criteria Number	**TET 1**	**TET 2**	**TET 3**	**TET 4**	**TET 5**	**TET 6**	**TET 7**	**TET 8**	**TET 9**	**TET 10**	**TET 11**	**TET 12**	**TET 13**
1. General - Company Profile and Experience	X		X									X	X
2. Specification of plant and equipment.	X		X									X	X
3. Mechanical Specifications		X	X										
4. Control and Instrumentation				X	X								
5. Electrical						X	X						
6. Civil								X	X				
7. Fire Protection										X	X		
8. Quality Assurance	X		X									X	X

3.6 FORESEEN ACCEPTABLE / UNACCEPTABLE QUALIFICATIONS

3.6.1 Risks

Table 6: Acceptable Technical Risks

Risk	Description
1.	Expert on Hydrogen plant and BoP design, installation, commissioning, integration, is not registered with ECSA, but has more than 5 years' experience at that level.
2.	
3.	
4.	
5.	
6.	

Table 7: Unacceptable Technical Risks

Risk	Description
1.	The deviation schedule shows a high level of deviation (greater that 20%) that present major technical risk.
2.	Person responsible for issuing the CoC for the gas installation has no experience on hydrogen generation and BoP installations.
3.	Technical data sheets, designs, operational and maintenance manuals are not in English.
4.	Tenderers who fail Section 1 of the Qualitative Evaluation (General - Company Profile and Experience) present a high technical risk for project execution.
5.	
6.	
7.	

3.6.2 Exceptions / Conditions

Table 8: Acceptable Technical Exceptions / Conditions

Risk	Description
1.	
1.	
2.	
3.	
4.	
5.	
6.	

Table 9: Unacceptable Technical Exceptions / Conditions

Risk	Description
1.	
2.	
3.	
4.	
5.	
6.	
7.	

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
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5. REVISIONS

Date	Rev.	Compiler	Remarks
February 2025	1	Chantelle Moll	Develop new document as required for Procurement Process
March 2026	2	Chantelle	Update wording for clarity

6. DEVELOPMENT TEAM

The following people were involved in the development of this document:

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