Weighting:100%					
11016111116110070					
Minimum Scorerequired:80%					
Required evidence provided=					
2					
Partial evidence provided=1					
No evidence provided= 0					
				Means of Compliance	
Criteria	Sub-Criteria	Technical Requirement	Required Evidence	(Evidence provided)	Score (0-2)
				, ,	· ´
			Provide designs and technical		
			specifications for heavy-haul		
			locomotives demonstrating		
	Locomotive Design and		high tractive effort and load-		
Technical Compliance	Purpose	Heavy-haul freight capability.	pulling capacity.		
			Submit axle and bogie designs		
			showing durability and stability		
		Robust design for narrow-	for narrow-gauge operations		
		gauge operations (1,067mm).	under high loads.		
			Evidence of locomotive		
			performance in extreme		
			conditions (e.g., high		
			temperatures, humidity,		
			salinity, and dust) through		
		Capability to handle	operational data or test		
		environmental challenges.	results.		
			Submit lifecycle cost analysis		
			documentation from past		
			projects, including operating		
			costs, maintenance		
		Expertise in lifecycle cost	schedules, and component		
		analysis.	replacement plans.		

			Provide designs and testing	
			data for vibration damping	
		Advanced vibration damping	systems implemented in other	
		. •	projects.	
			Submit a portfolio of projects	
			demonstrating locomotive	
			designs delivered and adapted	
			for operations in multiple	
			regions (e.g., Asia, Africa,	
			Europe, North America) with	
			regional adaptations for	
		Experience in multi-region	varying track gauges, voltage	
		locomotive design and	systems, and environmental	
		delivery.	conditions.	
			Provide case studies of	
			successfully delivered	
			locomotive systems or	
			components to clients in	
			diverse global regions,	
			highlighting challenges and	
		Proven capacity in delivering	how they were overcome (e.g.,	
			logistics, customs regulations,	
		components globally.	regional compliance).	
			Provide copies of	
		Compliance with SANS 3000,	certifications, test reports, or	
		EN 50121, EN 50155, IEC	audit results proving	
Safety and Standards	Compliance with international		adherence to the specified	
Compliance	•	standards.	standards.	
			Submit designs and test	
			results demonstrating fault	
			recovery and redundancy for	
		System redundancy for critical		
		operations.	communication systems.	

			Provide designs and	
			_	
			certifications demonstrating	
		l	compliance with	
		Advanced crashworthiness	crashworthiness standards	
		standards.	and impact testing data.	
			Submit ISO 14001 certification	
			or documentation	
		1	demonstrating compliance	
		` `	with similar environmental	
		equivalent).	standards.	
			Provide evidence of	
			compliance with specific	
			regional standards for	
			delivered locomotives and	
			components (e.g., AAR for	
		Adherence to regional safety	North America, UIC for Europe,	
		and regulatory standards.	RSR for South Africa).	
			Include technical data on	
			transformer efficiency and	
		Optimized transformer	performance under dual-	
	Voltage efficiency and power	designs for high efficiency and	voltage conditions from past	
Dual Voltage Capability	conversion.	minimal energy loss.	projects.	
			Provide designs and	
			performance data showing	
			effective heat dissipation	
		Heat management systems for	mechanisms under high-load	
		transformers.	conditions.	
			Provide technical	
			documentation on transition	
			systems, including examples	
		Seamless voltage transition	of successful voltage	
		systems.	transitions in similar projects.	

		1	1	
			Submit system documentation	
Avia Cantral and Traction		Dool time a novem distribution to	showing dynamic axle power	
Axle Control and Traction	Follows of the office and the second	1	management and optimization	
System	Enhanced traction systems.	axles for optimized traction.	algorithms.	
			Provide technical	
			documentation and test	
			results demonstrating	
			regenerative braking	
		Regenerative braking	performance under different	
		integration.	conditions.	
			Include examples of systems	
			that provide predictive	
			analytics for axle maintenance	
		Advanced axle monitoring.	and fault detection.	
			Submit energy efficiency	
		Energy efficiency	calculations and data for	
		enhancements for traction	traction systems implemented	
		systems.	in other projects.	
			Submit system architecture	
			diagrams demonstrating data	
			transfer capabilities, including	
	Advanced communication	Real-time data diagnostics	real-time tracking and	
Digital Connectivity and DCS	systems.	and location tracking.	diagnostics.	
			Provide designs and case	
			studies showing redundancy	
		Fault tolerance and	measures and fault recovery	
		redundancy mechanisms.	mechanisms.	
	_		Provide architecture designs	
			and operational data from	
			fleet management systems	
		Integration with centralized	integrating digital connectivity	
		fleet management systems.	and diagnostics.	

	1	T	Submit cybersecurity strategy	
			documentation, penetration	
			testing results, and	
		Cybersecurity resilience for	certifications (e.g., ISO 27001	
		connected systems.	or NIST compliance).	
		connected systems.	Include evidence of Al-	
			powered CCTV features for	
			obstacle detection and track	
		AI-enhanced CCTV systems	monitoring, with examples of	
		for safety and track inspection.	= :	
		for safety and track inspection.	Provide evidence of	
			implemented algorithms and	
			operational data	
	1		demonstrating effective re-	
	Advanced re-adhesion	Real-time adjustments based	adhesion under variable loads	
Enhanced Adhesion Control	algorithms.	on load and track conditions.	and gradients.	
			Submit data from durability	
			tests and maintenance	
		Long-term durability of	records showing minimal wear	
		adhesion systems.	over extended operations.	
			Include operator interface	
			designs and examples of	
			feedback systems for	
			monitoring slip and traction	
		Real-time operator feedback.	performance.	
			Submit interoperability	
		Full documentation of	matrices and system	
Documentation and		interoperability with other	integration plans from past	
Transparency	Transparent system design.	OEM systems.	projects.	
-			Provide licensing agreements	
			and usage terms	
		Open-source or flexible	_	
		· ·		
		components.	modification rights.	
	Transparent system design.	Full documentation of interoperability with other OEM systems. Open-source or flexible licensing for software	performance. Submit interoperability matrices and system integration plans from past projects. Provide licensing agreements and usage terms demonstrating flexibility in software ownership and	

	1	T		
			In about a community of foods	
			Include examples of fault	
			logging systems and analytics	
		Comprehensive fault logs and	reports used for diagnostics in	
		analytics.	previous projects.	
			Provide documentation of	
			phased transition strategies	
		Transition plans for	for obsolete components	
Spares and Obsolescence	Innovative obsolescence	components nearing	implemented in comparable	
Management	strategies.	obsolescence.	projects.	
			Submit examples of	
			partnerships with local	
			suppliers to ensure	
		Local sourcing initiatives for	sustainable spare part	
		spare parts.	availability.	
			Include training schedules,	
			curricula, and feedback	
		Long-term training programs	metrics demonstrating	
		integrated with operational	alignment with long-term	
Training	Comprehensive skill transfer.	requirements.	operational needs.	
		-	Submit evidence of training	
			simulation tools and their	
			effectiveness in enhancing	
		Use of simulation tools in	staff readiness and	
		training.	performance.	
			Submit detailed project	
			management plans and	
		Evidence of integrated project	examples of successful tool	
Governance, Quality, and	Advanced project	management tools (e.g.,	implementation in	
Performance Management	management systems.	Primavera, MS Project).	comparable projects.	
		,	Provide examples of service	
			agreements, including KPIs	
		Long-term service agreements		
		with performance guarantees.		
		with periorinance guarantees.	ποιπ μασι μισμεσιδ.	

			Include stakeholder analysis	
			plans and engagement reports	
			from previous complex	
			projects.	
		1	Provide technical	
			documentation of delivered	
		Proven track record in	locomotives, including	
		designing locomotives with a	lifecycle assessments,	
Experience in Locomotive		minimum lifecycle of 30 years	durability testing, and	
Design	Design Life and Durability	under demanding conditions.	operational data.	
			Submit design specifications	
		Capability to design	and certifications	
		locomotives with axle loads	demonstrating adherence to	
	Axle Load and Weight	compliant to < 22 tonnes per	axle load standards for freight	
	Standards	axle.	applications.	
		Experience delivering dual-	Provide technical	
		voltage (AC/DC) locomotives	specifications and operational	
		for mixed operations with	data for dual-voltage	
		seamless "on-the-fly"	locomotives previously	
	Dual Voltage Capability	transitions.	delivered.	
		Ability to design locomotives	Include interoperability test	
		capable of multiple-unit	reports and examples of multi-	
		operation across various	class operational	
Operational Versatility	Interoperability	classes (electric and diesel).	deployments.	
		Experience in designing		
		locomotives with compatibility	Submit system architecture	
		for ECP, WDP, and RDP	diagrams and case studies	
		systems for long-haul	showing integration of	
	Distributed Power Systems	operations.	distributed power systems.	
		Proven performance of		
		locomotives under diverse	Provide operational data or	
		, 0.	test results for locomotives	
Climatic and Environmental		temperatures, humidity, and	deployed in similar	
Design	Extreme Climatic Conditions	dust).	challenging environments.	

		Ability to design locomotives	Submit materials	
		_		
		suitable for coastal and humid		
	O		of solutions used to mitigate	
	Corrosion Resistance	corrosion features.	corrosion risks.	
		Experience delivering		
		· ·	Provide traction performance	
			data, including axle control	
		motors, and dead-notch-free	algorithms and braking force	
Traction and Braking Systems	Advanced Traction Control	braking.	curves.	
			Submit documentation	
		Integration of regenerative	showing regenerative braking	
		braking systems to improve	designs and performance	
	Regenerative Braking	energy efficiency.	results.	
		Expertise in designing		
		communication systems	Include compliance	
		compliant with international	certifications and examples of	
Digital Communication	Inter-Locomotive	standards (e.g., IEC	interoperable communication	
Systems	Communication	protocols).	solutions.	
		Proven capability in integrating		
		data transfer systems for real-	Provide examples of real-time	
	Data Transfer and Remote	time diagnostics and remote	monitoring systems deployed	
	Diagnostics	monitoring.	on locomotives.	
			Submit documentation of	
		Use of environmentally	paint specifications and	
			examples of past compliance	
Painting and Marking	Environmental Paints		with eco-friendly standards.	
		Capability to offer locomotives	-	
		with modular components for	Provide technical details of	
Innovation and Modular		· ·	modular systems used in	
Design	Modular Sub-Systems		previous locomotive designs.	
			Submit examples of RFID	
		RFID systems for locomotive	systems deployed, including	
		tracking and asset	case studies and results of	
Radio Frequency Identification	RFID Integration		operational improvements.	
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		Proven track record of		
		designing locomotives	Portfolio of delivered	
		meeting operational	locomotives, technical	
Technical Expertise	Locomotive Design	requirements.	specifications, test results.	
·		·	Documentation of	
		Expertise in advanced traction,	implemented systems,	
		dynamic braking, and	efficiency data, and	
	Traction and Braking Systems	regenerative braking systems.	performance logs.	
	0.7	3.7		
		Integration of energy-saving	Examples of locomotives with	
		systems such as regenerative	energy-efficient features and	
	Energy Efficiency	braking and energy meters.	results.	
		Experience with dual-voltage	Case studies of dual-voltage	
		locomotives and automatic	locomotives and performance	
Operational Flexibility	Dual Voltage Capability	AC/DC changeover systems.	data.	
		Operability in extreme		
		conditions (heat, humidity,	Operational performance data	
	Climate Adaptability	dust, salinity).	from extreme environments.	
			Detailed design	
		Ability to deliver modular	documentation and examples	
		systems for maintenance and	of modular system	
	Modular Design	upgrades.	implementations.	
		Adherence to international	Certifications and audit	
		safety and operational	reports for compliance with	
Safety and Compliance	Compliance with Standards	standards.	relevant standards.	
		Proven ability to integrate fault	Examples of fault recovery	
		detection and recovery	systems and supporting	
	Fault Detection and Recovery	systems.	documentation.	
		Integration of safety systems		
		like vigilance and fire	Examples of safety system	
	Advanced Safety Systems	detection.	implementations.	
		Deployment of systems for	Sample logs and	
		real-time fault/event logging	documentation of deployed	
Digital and Communication	Real-Time Data Logging	and diagnostics.	systems.	

		Development of ergonomic	Specifications of DDUs and	
		and durable display units.	operator feedback.	
		Expertise in integrating remote		
		diagnostics and connectivity	Case studies of remote	
	Remote Connectivity	systems.	connectivity features.	
	-	Long-term support and parts	Lifecycle management plans	
Maintenance and Longevity	Lifecycle Management	availability for locomotives.	and examples.	
		-	Maintenance schedules and	
		Predictive maintenance and	predictive analytics tool	
	Maintenance Optimization	condition monitoring systems.	documentation.	
	<u> </u>	• ,	Project documentation	
		technologies like IoT and AI-	showcasing innovative	
Innovation and Sustainability		based diagnostics.	solutions.	
,		9		
			Environmental impact	
		Eco-friendly design practices	assessments and case studies	
		and energy-efficient systems.	of green design projects.	
		,	Case studies of projects	
		Successful delivery of	across different geographical	
Track Record		locomotives in diverse regions.		
		Positive references from	Client testimonials and	
	Client References	previous clients.	performance reviews.	
		Use of components/sub-		
		systems with proven	Evidence of at least two years	
		performance in similar	of operational reliability and	
	Service Proven Components	operating conditions.	availability.	
	-	Use of AC traction motors and	Graphs for voltage, current,	
		auxiliary motors with	tractive effort, and speed; life	
Design	Traction and Auxiliary Systems	appropriate characteristics.	cycle cost analysis.	
_		Effective forced ventilation	-	
		and air filtration for rotating	Details of air filtration system	
	Ventilation and Cooling	machines.	and airflow tests.	
		Robust and maintainable	Evidence of compliance with	
		design for rotating machines	ISO standards for balance and	
	Mechanical Design	and auxiliary systems.	vibration testing.	

		Use of high-quality materials		
		and components to ensure	Certification of materials,	
		longevity (e.g., bearings,	lubricant details, and bearing	
	Durability	lubricants).	life cycle analysis.	
		Design allows for efficient		
		maintenance,		
		interchangeability of	Maintenance and overhaul	
		components, and minimal	plans, documentation on	
Maintainability	Ease of Maintenance	special adjustments.	component interchangeability.	
		Use of durable and corrosion-	Details on material	
		resistant materials (e.g.,	specifications and life	
		insulated bearings, resilient	expectancy under operational	
	Durability of Materials	seals).	conditions.	
		Utilization of local suppliers	Evidence of supply chain	
	Local Adaptability	and materials where possible.	localization.	
		Integration of safety lugs, theft		
		prevention measures, and		
		secure mounting of	Design and test details for	
Safety	Safety Features	components.	safety features.	
		Measures to prevent	Design and operational details	
		environmental contamination	for sealing and containment	
	Environmental Protection	(e.g., lubricant leakage).	systems.	
		Adherence to type test	Comprehensive testing for	
		requirements for traction	vibration, temperature rise,	
Testing	Type Tests	motors and auxiliary systems.	and overload conditions.	
		Regular testing of traction		
		motors and components to	Documentation of routine test	
	Routine Tests	ensure compliance.	protocols.	
		Long-term vibration testing to		
		ensure durability of internal	Baseline vibration data and	
	Vibration Testing	and external components.	comparative test results.	

		Provision of user and	Manuals covering all	
		maintenance manuals in	components and maintenance	
Maintenance Manuals	Maintenance Manuals	English.	processes.	
		5		
		Adherence to IEC standards,	Documented compliance with	
		such as IEC 60076, 60310,	IEC standards for design,	
International Standards	Compliance to IEC Standards	60850, and 61133.	testing, and construction.	
	·		Submission of technical	
		Rated power, voltage, current,	specifications aligned with IEC	
Design Information	Transformer Ratings	and other critical parameters.	definitions.	
		· ·	Confirmation of core-type	
		Use of core-type transformer	design with detailed	
Transformer Construction	Core Design	construction.	construction plans.	
	3		Test data confirming	
		Basic insulation level of at	compliance with insulation	
Insulation & Temperature	Insulation Levels	least 190kV (peak value).	standards.	
'		,	Submission of temperature	
		Compliance with maximum	rise characteristic curves and	
		temperature rise limits (e.g.,	ambient condition	
	Temperature Rise	winding < 80K, oil < 65K).	evaluations.	
	·	,	Specifications for conductor	
	Conductor and Insulation	Use of copper conductors and	material and insulation	
Materials	Materials	Nomex insulation.	material properties.	
			Detailed mounting plans	
		Preference for transformer	showing placement and	
		placement within locomotive	protective measures for	
Positioning & Mounting	Mounting Location	body.	external placement.	
		Use of oil-immersed	·	
		transformers with an oil-	Design details and operational	
Transformer Type	Oil Cooling System	conservator system.	guidelines for cooling systems.	
71	<u> </u>	·	Documentation of auxiliary	
		Explosion vent, oil level	equipment design and	
Transformer Auxiliary		indicators, temperature	integration with safety and	
Equipment	Safety Mechanisms	gauges, and alarms.	protection systems.	

		Integration of dissolved gas		
			Details of monitoring system	
		1 ' '		
	Outline Maritania 40 antonia		design and service-proven	
	Online Monitoring Systems	equipment.	performance.	
			Certification of oil quality and	
		compliant with SABS 555 or	evidence of service-proven	
Transformer Oil & Cooling	Oil Quality	<u> </u>	performance.	
		Mechanical bonding of core	Detailed radiator designs and	
		tubes and fins to prevent	maintenance plans for debris	
	Radiator Design	thermal aging.	cleaning and air filtration.	
		Compressed air brakes and	Design compliance,	
		hand-operated brakes acting	operational independence of	
General Brake System	Independent Brake Systems	independently.	braking systems.	
	Simultaneous Air Brake	Simultaneous operation of air	Demonstration of uniform	
	Application	brakes on all bogies.	application through tests.	
		Brake blocks exert equal	Test results showing brake	
	Equal Brake Block Pressure	pressure (within 5%).	pressure uniformity.	
		Brake blocks should function		
		effectively down to a thickness		
			Design compliance to	
Brake Block Design	Wear Tolerance	adjustments.	minimum wear tolerance.	
		<u> </u>	Practical demonstration of	
	Block Renewal	1 7	brake block renewal.	
		Automatic slack adjusters		
		-	Design and operational details	
	Slack Adjusters	_	of slack adjusters.	
	ota ota i i i i i i i i i i i i i i i i i i i	Stopping within specified	or otalitations.	
			Compliance with AAR RP-599	
			standards for stopping	
Broke Berfermanes	Stanning Distance	· -	•	
Brake Performance	Stopping Distance	<u>'</u>	distance.	
		Ability to hold stationary on	Coloulated by aking fore - f- "	
Hand Bude Basin	Obstitution of the Life of Face	2.5% gradient without skidding		
Hand Brake Design	Stationary Holding Force		stationary holding.	
			Safety design for air exhaust	
	Exhaust Ventilation	the cab.	from handbrakes.	

		Delivery of Blastrite or sand to	System design ensuring	
		leading wheels in both	consistent sand delivery for	
Sanding Gear	Sand Delivery	directions.	traction.	
Sanding Gear	Salid Delivery	Easy maintenance with	Demonstration of	
		'		
	Marian and a second constitution	watertight lids and drainage	maintenance ease and	
	Maintenance and Operation	prevention.	functional design.	
		Interlocks for independent		
		brake application at specific		
		conditions (e.g., speed = 0,	System compliance with	
Safety Features	Interlock Requirements	120kPa pressure).	interlock safety requirements.	
		~		
		The locomotiveââ,¬â"¢s		
		main power system comprises		
		all power equipment		
		associated with traction and		
		electric braking, including	Detailed schematic diagrams,	
		pantograph, VCB, HSCB,	technical descriptions, and	
		converters, transformers, and	compliance with IEC 60850	
Main Power Systems	Definition	traction motors.	and IEC 61287-1/2 standards.	
		Ability to withstand		
		operational voltages and	Technical specifications and	
		currents while offering	test results for protective	
		protection against overloads	equipment under fault	
	Protective Equipment	and faults.	conditions.	
		Modern IGBT-based auxiliary		
		power supply system with		
		redundancy to support	System schematics,	
		auxiliary machines and future	redundancy documentation,	
Auxiliary Systems	Auxiliary Power Supply	expansion.	and load capacity tests.	
, , , ,	7 2 2 1 1 1	Intelligent battery charger	, ,	
		compliant with EN 50272 and	Manufacturer documentation,	
			compliance certificates, and	
	Battery Charger	control system.	test reports.	
	-accor, 61141501	100	1.001.10001101]

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		Effective cooling and	Test results, technical	
		ventilation systems, ensuring	descriptions, and compliance	
		component reliability under	certificates for IEC 60529 and	
	Cooling and Ventilation	harsh operational conditions.	EN 50155 standards.	
	0	Compliance with international		
		norms (IEC 60077, 61287,	Certificates of compliance and	
			deviations justified with	
Electrical System Design	Standards and Norms		documentary evidence.	
, ,		Use of components with	Service history, failure analysis	
		proven reliability in similar	reports, and supplier	
	Service Proven Components	applications worldwide.	guarantees.	
	·	Conformance of power	-	
		•	Test certificates and	
			documentation from certified	
Testing	Type Testing	and 61373 standards.	testing authorities.	
		Routine stress tests for all		
		major components,	Factory routine test reports	
		eliminating early failures (e.g.,	and quality control	
	Routine Testing		documentation.	
		Demonstration of system		
		integration and stability during	Test facility descriptions,	
		simulated operational	combination test results, and	
	Combination Testing	conditions.	simulation data.	
		Ensure all electric/electronic	Certificates of compliance,	
		equipment adheres to	detailed equipment standards	
	Compliance with International	Cenelec EN50153, EN50124-	list, and deviations supported	
Standards	Norms	1, and EN45545 standards.	by justifications.	
		Comprehensive details of	Technical descriptions,	
		TCU, ACU, interface cards,	maintenance schedules, and	
Hardware	Component Description	and all modules.	component datasheets.	
		Diagram showing all	Complete TCU network	
		controlled devices,	diagram with device	
		communication interfaces,	descriptions and	
	Network Diagram	and descriptions.	communication types.	

		Dedicated traction control unit		
		per axle with sufficient control		
o		capacity for speed range	software specifications, and	
Software	Axle Control	0ââ,¬â€œ110 km/h.	proof of capabilities.	
		Traction performance vs. line		
		voltage curve for AC/DC		
		territories; guaranteed	Performance curves, voltage	
	Performance under Line	performance under specified	deration policies, and testing	
	Voltage	voltage ranges.	results.	
		Compliance with mandatory		
		tractive effort (TE)		
		requirements under varied	TE curves, detailed system	
		weather conditions; minimize	description, and maximum	
		load-sharing imbalances	allowable wheel diameter	
Traction and Braking	Tractive Effort	between axles and bogies.	differences.	
		Fully combined regenerative		
		and rheostatic braking system		
		with tolerances specified	Braking effort curves, system	
		under adverse weather	failure design documentation,	
	Electric Braking	conditions.	and compliance certificates.	
		Minimum of two probes per		
			Sensor specifications, fault	
		detection, failure detection,	detection logic	
		and axle-specific traction cut-	documentation, and	
Sensors	Speed Sensor	out during speed probe failure.	maintenance logs.	
		Service-proven two-channel		
		Doppler Radar Sensor with	IP rating certificates, test	
		protective design and accurate	results, and failure handling	
	Doppler Radar	ground speed measurement.	documentation.	

		Har Danielan Dadan ar		
		Use Doppler Radar as		
		reference speed; resilient		
		calculations in case of failures		
		-	Control logic documentation,	
		sensors and synchronous	calculation methodologies,	
Control and Monitoring	Reference Speed	wheel slip/slide scenarios.	and validation results.	
		Fast-acting re-adhesion		
		control scheme with creep		
		optimization; robust	Re-adhesion control algorithm	
		performance under undulated	details, testing results under	
		rail tracks and adverse	varying conditions, and energy	
	Re-Adhesion Control	conditions.	efficiency metrics.	
		Accurate axle acceleration		
		monitoring and locked axle	Control logic, performance	
	Acceleration and Axle Lock	detection in powering, braking,	thresholds, and axle condition	
	Detection	and coasting modes.	detection reports.	
			Comprehensive	
		Detailed hardware and	documentation including	
		software architecture,	function descriptions,	
		interface descriptions, and key	input/output signals, and	
Documentation	Traction Control Unit	functional specifications.	operation principles.	
		Real-time monitoring, data		
		logging, and accessible	Specifications, sample	
		transient recorder outputs for	outputs, and descriptions of	
	Transient Recorder	•	logging functions.	
		Submission of detailed	Comprehensive and accurate	
		technical data for brake	technical documents for	
	Comprehensive Information	systems.	evaluation.	
	The state of the s		Detailed design documents,	
			including technical	
	Detailed Design Data	and performance curves.	specifications.	
	Dotanou Dooigii Dutu	and performance durves.	opodinoutions.	
		Compliance with international	Certificates of compliance	
Technical Compliance	Standards and Norms	and local standards.	documented deviations.	
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		Adherence to functional	Technical descriptions, test	
	Functional Requirements	specifications.	reports.	
		Proven reliability of	Service history, failure analysis	
	Reliability	components and systems.	reports.	
			Design philosophy	
		Ease of maintenance and	documents, maintenance	
Design and Innovation	Simplicity of Design	operational simplicity.	manuals.	
		Scalability and adaptability to	Documentation on	
	Future-Proofing	future needs.	expandability and upgrades.	
		System efficiency under		
Performance	Efficiency	various operating conditions.	Efficiency curves, test data.	
		Performance under extreme	Stress test results,	
	Robustness	conditions.	environmental compliance.	
		Implementation of safety	Safety audits, risk	
Safety and Compliance	Safety Measures	protocols and measures.	assessments.	
		Adherence to environmental	Compliance certificates,	
	Environmental Compliance	standards.	environmental impact studies.	
Tarking and Malidakian	Torre Treations	Comprehensive testing of	Certified test results,	
Testing and Validation	Type Testing	components and systems.	validation reports.	
	Describe a Tabatic a	Ongoing validation and quality	Routine test data, quality	
T. I. I. O	Routine Testing	assurance.	control records.	
Total Score				

There are 144 questions in			
total, which adds up to a			
score of 248 . A bidder will be			
required to score 80% of the			
total scores which will be			
calculated in the following			
manner: x/y*100=			
percentage score obtained.			
i.e if a bidder scores 144 out			
of the 248 questionnaire, it			
will be interpreted as			
144/248*100=50%			