

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332301228
DATE : 02.06.2023
REQ No : 1032301761
REQ TITLE : Control Panel 1032301761
DELIVERY LOCATION
CLOSING DATE : 08.06.2023
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
1		ITEM-00001	2 SUPPLY AND REPLACEMENT OF DAMAGED ABB 11 KW VFD FOR COOLING TOWER CONTROL PANEL @ DEWA DP COMPLEX BUILDING GENERAL: WORK IS TO PROVIDE ALL ENGINEERING, MATERIAL, AND LABOUR TO, SUPPLY, INSTALL, AND COMMISSION, WITH NECESSARY WIRING. THE PARTIES SHALL VISIT THE SITE AND MAKE THEMSELVES THOROUGHLY ACQUAINTED WITH LOCAL SITE CONDITIONS, NATURE AND REQUIREMENT OF WORK, PRESENT CONDITIONS AND NEW INSTALLATIONS AND ASSESS LABOUR AND MATERIAL, REQUIRED BEFORE SUBMITTING THE PRICE. INTRODUCTION: THE PURPOSE OF THIS SCOPE OF WORK (SOW) IS TO OUTLINE THE REQUIREMENTS BELOW BUT NOT LIMITED. OVERVIEW: THE OBJECTIVE OF THIS PROJECT IS TO SUPPLY AND REPLACE THE DAMAGED ABB 11 KW VFD (VARIABLE FREQUENCY DRIVE) WITH MODEL ACH550-01-023A-A FOR THE COOLING TOWER CONTROL PANEL. THE	1	EA				

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			REPLACEMENT VFD WILL RESTORE PROPER FUNCTIONALITY AND ENSURE THE EFFICIENT OPERATION OF THE COOLING TOWER SYSTEM. SCOPE OF WORK: THE SCOPE OF WORK FOR THE SUPPLY AND REPLACEMENT OF THE DAMAGED ABB 11 KW VFD INCLUDES THE FOLLOWING TASKS: A. ASSESSMENT AND DOCUMENTATION: ASSESS THE EXTENT OF DAMAGE TO THE EXISTING VFD AND ITS IMPACT ON THE COOLING TOWER CONTROL PANEL. DOCUMENT THE EXISTING SYSTEM CONFIGURATION, INCLUDING WIRING DIAGRAMS, CONTROL SEQUENCES, AND ANY OTHER RELEVANT INFORMATION. B. EQUIPMENT SELECTION: IDENTIFY AND SELECT A SUITABLE REPLACEMENT VFD WITH THE MODEL ACH550-01-023A-A FROM ABB THAT MEETS THE REQUIRED SPECIFICATIONS AND IS COMPATIBLE WITH THE COOLING TOWER CONTROL PANEL. ENSURE THAT THE REPLACEMENT VFD HAS THE NECESSARY						

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			CAPACITY AND FEATURES TO EFFECTIVELY CONTROL THE COOLING TOWER SYSTEM. C. PROCUREMENT AND SUPPLY: SOURCE AND PROCURE THE IDENTIFIED REPLACEMENT VFD (MODEL ACH550-01-023A-A) FROM A REPUTABLE SUPPLIER OR DIRECTLY FROM ABB. ENSURE THAT THE REPLACEMENT VFD IS GENUINE AND MEETS ALL NECESSARY QUALITY STANDARDS. D. INSTALLATION AND INTEGRATION: DISCONNECT AND REMOVE THE DAMAGED VFD FROM THE COOLING TOWER CONTROL PANEL. INSTALL THE NEW REPLACEMENT VFD (MODEL ACH550-01-023A-A) IN THE CONTROL PANEL, ENSURING PROPER ELECTRICAL CONNECTIONS AND ADHERENCE TO SAFETY GUIDELINES. INTEGRATE THE REPLACEMENT VFD WITH THE EXISTING CONTROL SYSTEM, ENSURING COMPATIBILITY AND FUNCTIONALITY. E. TESTING AND COMMISSIONING: PERFORM THOROUGH TESTING OF THE REPLACEMENT VFD						

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			TO VERIFY ITS FUNCTIONALITY, INCLUDING START-UP, SHUTDOWN, SPEED CONTROL, AND FAULT HANDLING . VERIFY THE INTEGRATION OF THE REPLACEMENT VFD WITH THE COOLING TOWER CONTROL PANEL, ENSURING SEAMLESS OPERATION AND CONTROL. FINE-TUNE THE VFD SETTINGS TO OPTIMIZE SYSTEM PERFORMANCE AND ENERGY EFFICIENCY. PROVIDE TRAINING TO THE DESIGNATED PERSONNEL ON THE OPERATION AND MAINTENANCE OF THE REPLACEMENT VFD. F. DOCUMENTATION AND HANDOVER: PREPARE COMPREHENSIVE DOCUMENTATION OF THE REPLACEMENT PROCESS, INCLUDING AS-BUILT DIAGRAMS, EQUIPMENT SPECIFICATIONS, AND CONFIGURATION DETAILS. PROVIDE A FINAL REPORT SUMMARIZING THE REPLACEMENT PROJECT, INCLUDING ANY RECOMMENDATIONS FOR FUTURE MAINTENANCE OR IMPROVEMENTS. HAND OVER ALL RELEVANT DOCUMENTATION AND DR						

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			AWINGS TO THE DEWA UPON INSTALLATION COMPLETION. SPECIFICATIONS: THE REPLACEMENT VFD (ABB ACH550-01-023A-A) SHOULD MEET THE FOLLOWING SPECIFICATIONS: A. INPUT: VOLTAGE: 3 PHASE, 380-480V CURRENT: 23 A FREQUENCY: 48-63 HZ B. OUTPUT: VOLTAGE: U2-0...U1V (VARIES BASED ON MOTOR SPECIFICATIONS) CURRENT: I2N - 23 A FREQUENCY: F2-0...500 HZ C. MOTOR POWER: RATED POWER: 11 KW D. CONTROL FEATURES: THE REPLACEMENT VFD SHOULD PROVIDE PRECISE SPEED CONTROL FOR THE COOLING TOWER SYSTEM, ALLOWING FOR EFFICIENT OPERATION AND ENERGY SAVINGS. IT SHOULD SUPPORT CONFIGURABLE CONTROL PARAMETERS TO OPTIMIZE SYSTEM PERFORMANCE BASED ON VARYING LOAD CONDITIONS. PROTECTION FEATURES SUCH AS OVERLOAD PROTECTION, OVERVOLTAGE PROTECTION, AND SHORT CIRCUIT PROTECTION SHOULD BE INCLUDED. E. USER INTERFACE:						

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			THE REPLACEMENT VFD SHOULD HAVE A USER-FRIENDLY INTERFACE FOR EASY MONITORING AND OPERATION. NOTE: THE SUPPLY SHALL INCLUDE ALL THE EQUIPMENT, ACCESSORIES AND OTHER MATERIALS NOT ENUMERATED IN THESE SPECIFICATIONS BUT FOUND NECESSARY FOR THE COMPLETION AND PERFECT FUNCTIONING OF THE INSTALLATIONS. ALL THE MATERIAL IN GENERAL WILL CONFIRM AS PER THE LATEST STANDARDS AND SHALL BE SUBMITTED TO EWA FOR ENGINEERS' APPROVAL. THE OFFER SHALL CONFORM TO THE DEWA ENERGY MANAGEMENT POLICY & ENMS MANUAL. #ALL SPARE PARTS SHALL BE CONSTRUCTED OR MANUFACTURED OUT OF HIGH-QUALITY CORROSION-RESISTING MATERIAL. §#AFTER COMPLETION OF THE PROPOSED JOB CONTRACTOR WILL RETURN THE ENTIRE REMOVED DAMAGED EQUIPMENT TO DEWA SCRAP YARD. §#ALL REQUIRED EQUIPMENT SHOULD BE HIGH QUALITY						

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			AND FROM A REPUTED MANUFACTURER TO ENSURE GOOD PERFORMANCE, HIGH EFFICACY, AND A LONGER LIFE SPAN. PROPOSAL SUBMITTALS: 1.#SYSTEM BILL OF MATERIALS 2.# PRODUCT TECHNICAL SPECIFICATIONS OR EQUIPMENT BROCHURES. 3.#PRODUCT SPECIFICATIONS. 4.#SYSTEM OPERATION DIAGRAM. 5.#DRAWINGS & REQUE STED OPTIONAL ACCESSORIES. 6.#SPARE PARTS LIST DELIVERY SUBMITTALS: INSTALLATION MANUAL, WHICH INCLUDES UNPACKING AND INSTALLATION O F ALL SYSTEMS. WORK COMPLETION. ALL RELATED ACCESSORIES SHALL BE SUPPLIED AND INSTALLED WITHIN 05 DAYS AFTER PO IS ISSUED. WARRANT Y #THE INSTALLING CONTRACTOR SHALL PROVIDE A ONE-YEAR INSTALLATION WARRANTY THAT INCLUDES ALL MATERIALS, LABOUR, AND MISCELLANEOUS C OST. #THE CONTRACTOR MAY SEEK REIMBURSEMENT FROM THE MANUFACTURER OR						

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			ANY OTHER ENTITY PROVIDING WARRANTIES FOR THE EQUIPMENT INSTALLED, BUT THE CONTRACTOR MUST BE THE RESPONSIBLE PARTY FOR WARRANTY REPAIRS. #THE CONTRACTOR SHALL PROVIDE, AT HIS COST, FOR ONSITE REPAIRS WITHIN 72 HOURS OF NOTIFICATION OF AN OPERATIONAL PROBLEM OR FAILURE WITHIN THE WARRANTY PERIOD FOR THE ELECTRICAL OR WATER SERVICES SYSTEMS INSTALLED UNDER THIS SCOPE OF WORK. ## GENERAL CONDITIONS #THE CONTRACTOR AT DEWA WORK PREMISES SHALL FOLLOW DEWA SAFETY & ENVIRONMENT POLICY, RULES AND REGULATIONS DURING THE CONTRACT PERIOD. #THE CONTRACTOR SHALL CARRY OUT A RISK ASSESSMENT FOR ALL HIS WORKS. THIS RISK ASSESSMENT SHALL BE FROM SAFETY AS WELL AS OCCUPATIONAL HEALTH CONSIDERATIONS. (DEWA FORMAT TO BE USED). #TOOLBOX TALKS SHOULD BE GIVEN TO THE						

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			<p>WORKERS BY THEIR SUPERVISOR, A COPY OF WHICH SHALL BE GIVEN TO DEWA. #NO WELDING, FLAME HEATING OR CUTTING, GRINDING, PNEUMATIC CHIPPING, ETC. SHALL BE CARRIED OUT WITHOUT SPECIFIC CLEARANCE FROM DEWA THROUGH "HOT WORK PERMITS".</p> <p>THE HOT WORK PERMIT IF REQUIRED SHALL BE OBTAINED ON DAILY BASIS. #THE CONTRACTOR SHALL AT NO TIME KEEP INFLAMMABLE SUBSTANCES IN THE PLANT/WORK AREAS. #ALL HAZARDOUS WASTES SHALL BE MOVED UNDER DIRECTION FROM AND WITH WRITTEN APPROVAL TO DEWA SPECIAL STORAGE ARE</p> <p>A. #THE CONTRACTOR#S WORK WILL FALL WITHIN THE PURVIEW OF SAFETY SURVEYS CONDUCTED REGULARLY BY THE DEWA SAFETY SECTION. ALL THE WORKMEN SHOULD WEAR NECESSARY PPE'S LIKE UNIFORMS, SAFETY SHOES, AND HELMETS. #ALL CONTRACTOR CRANES, VEHICLES, AND SPECIAL TOOLS SHALL</p>						

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			BE INSPECTED AND TESTED BY CAPABLE AUTHORITIES. THE CONTRACTOR SHALL PROVIDE DEWA WITH A COPY OF CERTIFICATES OF THEIR FITNESS BEFORE THEIR USE AT THE SITE. #THE CONTRACTOR SHALL PRODUCE ALL EQUIPMENT LIKE RIGGING TOOLS, GRINDING MACHINES, DRILLING MACHINES, HAND TOOLS, AND PRECISION TOOLS WITH ALL VALID TEST CERTIFICATES FROM 3RD PARTY LICENSED CERTIFYING AGENCIES. #ERECTION & USE OF SCAFFOLDING, AND USE OF LIFTING TROLLEYS SHALL BE CERTIFIED BY DEWA-AUTHORIZED PERSONNEL AND SHALL BE SUPERVISED BY THE CONTRACT SUPERVISOR BEFORE EXECUTING THE JOB ON SITE. #ON A WRITTEN APPLICATION WITH RELEVANT PARTICULARS OF THE STAFF AND VEHICLES OF THE CONTRACTOR, DEWA WILL ISSUE TEMPORARY ENTRY PASSES FOR THEM VALID UP TO THE PERIOD OF CONTRACT WORK. THE CONTRACTOR SHALL APPLY FOR THE						

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			ENTRY PAS SES FOR THE ENTIRE DURATION OF THE CONTRACT 3 DAYS IN ADVANCE WITH A XEROX COPY OF THE PASSPORT WITH A VALID VISA, 2 PASSPORT SIZE P HOTOGRAPHS AND AN IDENTIFICATION CARD ISSUED BY THE COMPANY FOR EACH STAFF, ADDITIONALLY WITH A COPY OF THE DRIVING LICENSE FOR T						

TOTAL AMOUNT IN WORDS:

TOTAL AMOUNT:

SPECIAL NOTES / INSTRUCTIONS:

Control Panel

STANDARD TERMS & CONDITIONS

- Prices should be 'DDP' delivery duty paid at DEWA stores.
- Quotation to be submitted only in local currency U.A.E Dirhams
- DEWA Standard payment terms is '30 days credit' from the date of acceptance of material
- No DEWA staff or his or her relatives up to third degree should have ownership or partnership in your company, and your participation in DEWA tenders / RFQs should not constitute a Conflict or

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perceived Conflict of Interest.

5) The offered product and/ or services in the Quotation, shall be conforming and in accordance with DEWA Energy Management Policy & EnMS Manual.

SUPPLIER'S REMARKS :

SUPPLIER'S SIGNATURE AND STAMP