

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332301417
DATE : 26.06.2023
REQ No : 1032302136
REQ TITLE : Supply of Panel Enclosure
DELIVERY LOCATION
CLOSING DATE : 10.07.2023
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
1		ITEM-00001	PR-1032302136 (PLZ REFER ATTACH. IN STOCK AND PRICE) INSTALLATION OF REDUNDANT 110V DC POWER SUPPLY SYSTEM AT PALM JUMEIRAH RO P LANT. 1.#BRIEF SCOPE OF WORK: THIS ENQUIRY COVERS SUPPLY OF FOLLOWING INCLUDING THEIR INSTALLATION, TESTING AND COMMISSIONING OF RECTIFIER UNIT FOR PARALLEL OPERATION WITH THE EXISTING RECTIFIER VIA COUPLING DIODE ARRANGEMENT AS SHOWN IN ANNEXURE- 1. A.#ENCLOSURE PANEL (SIZE: 80CMS X 60.5CMS X 180CMS) B.#BATTERIES, C.#MCBS AS MENTIONED IN ANNEXURE- 2 D.#AUXILIARY RELAYS E.#COUPLING DIODE UNITS, TWO SETS 2.#THE RECTIFIER UNIT AS SHOWN BELOW, TYPE- B4787-79, 18 AMPS, INPUT VOLTAGE: 230 VAC +15%/-20%, 50HZ, 1-PHASE, OUTPUT VOLTAGE: 100 V # 145 V DC, MAKE- SCHAEFER, ALONG WITH EARTH FAULT MONITORING MODULE AND OTHER ACCESSORIES WILL BE SUPPLIED BY DEWA.	1	JOB				

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			THE OUTPUT OF THE RECTIFIER UNIT SHALL BE CONNECTED TO THE EXISTING RECTIFIER UNIT OUTPUT SUCH THAT EXISTING RECTIFIER UNIT AND NEW RECTIFIER UNIT SHALL OPERATE IN CONTINUOUS PARALLEL CONDITION (REDUNDANT) THROUGH SEPARATE COUPLING DIODE IN +VE AND -VE TERMINALS EACH FOR BOTH RECTIFIERS IN THEIR OUTPUT CIRCUIT. PLEASE REFER ANNEXURE- 1 FOR THE ARRANGEMENT. 3.#ENCLOSURE PANEL (SIZE : 80CMS X 60.5CMS X 180CMS) FOR HOUSING RECTIFIER UNIT AS SHOWN ABOVE, ITS ACCESSORIES, AND BATTERIES SHALL BE SUPPLIED BY THE CONTRACTOR. THE SIZE OF THE PANEL SHALL BE VERIFIED THROUGH SITE VISIT. ENCLOSURE PANEL SHALL HAVE TWO COMPARTMENTS. UPPER COMPARTMENT SHALL BE FOR RECTIFIER UNIT AND ALL OTHER ACCESSORIES SUCH AS MCBS, AUXILIARY RELAYS, TERMINAL BLOCKS ETC. AND LOWER COMPARTMENT SHALL						

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			LL BE SUITABLE FOR HOUSING 9NOS. BATTERIES. 4.#BATTERIES, 12V DC, 65 AH, QTY.- 9NOS. VALVE REGULATED BATTERY CELLS, TYPE- SWL 1850, MAKE- YUASA ALONG WITH ACCESSORIES SUCH AS CONNECTING LINKS, CAPS ETC. 5.#NEW RECTIFIER PANEL SHALL HAVE FOLLOWING ARRANGEMENT ON TH E FRONT DOOR, A.#VOLTMETER FOR INCOMING AC VOLTAGE (0-300 V AC) B.#VOLTMETER OUTGOING DC VOLTAGE (0-200 V DC) C.#AMMETER FOR DC LOAD CURRENT (0-25 AMPS) D.#INDICATION LAMP- RECTIFIER FAULT E.#INDICATION LAMP- DC VOLTAGE LOW F.#INDICATION LAMP- MCB TRIP G.#INDICATI ON LAMP- EARTH FAULT H.#INDICATION LAMP- INPUT SUPPLY VOLTAGE OK 6.#MCBS FOR INCOMING AC POWER SUPPLY, FOR OUTGOING RECTIFIER OUTPUT DC SUPPLY, FOR OUTGOING DC SUPPLY FEEDERS SHALL BE RATED AS MENTIONED IN THE ANNEXURE- 2. EXISTING MCBS SHALL BE REPLACED BY NEW MC						

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			<p>BS AND SHALL BE INSTALLED AT EXISTING RECTIFIER PANEL. ALL THE MCBS SHALL HAVE ONE AUXILIARY CONTACTS FOR USE TO INITIATE AN ALARM.</p> <p>ALL THE AUXILIARY CONTACTS SHALL BE WIRED IN PARALLEL FOR INITIATING #MCB TRIP# ALARM WITH AN INDICATION ON THE FRONT DOOR OF THE RECTIFIER PANEL. 7.#AUXILIARY RELAYS AS PER EXISTING ARRANGEMENTS. 8.#SUPPLY AND INSTALLATION OF COUPLING DIODE UNITS, FOR +VE AND -</p> <p>VE TERMINALS OF BOTH THE RECTIFIER OUTPUT CIRCUITS, SHALL BE IN CONTRACTOR#S SCOPE OF WORK. THE COUPLING DIODE SHALL BE RATED FOR S</p> <p>AFELY HANDLING RECTIFIER OUTPUT OF 110V DC, 18AMPS. 9.#LAYING AND TERMINATION OF THE POWER CABLES AND CONTROL CABLES AT BOTH ENDS IN</p> <p>CLUDING GLAND WORKS SHALL BE IN CONTRACTOR#S SCOPE OF WORK. SUPPLY OF ALL ACCESSORIES SUCH AS GLANDS, LUGS FERRULES SHALL BE IN CON</p>						

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			TRACTOR#S SCOPE OF WORKS. ONLY POWER AND CONTROL CABLES REQUIRED FOR THE JOB WILL BE PROVIDED BY DEWA. 10.#INSTALLATION OF ALL OTHER ACCESSORIES SUCH TERMINAL BLOCKS, MCBS, AUXILIARY RELAYS INCLUDING INTER-PANEL WIRING SHALL BE IN CONTRACTOR#S SCOPE OF WORK. THE WIRE USED FOR INTER-PANEL WIRING SHALL BE OF REPUTED MAKE. 11.#CROSS FERRULING PHILOSOPHY SHALL BE ADOPTED FOR NEW RECTIFIER UNIT. 1 2.#MATERIALS & WORKS REQUIRED (IF ANY) NOT SPECIFIED IN THE SCOPE OF WORK BUT REQUIRED FOR THE SAFE & RELIABLE INSTALLATION & OPERATION OF THE REDUNDANT DC SYSTEM SHALL BE COVERED IN THE CONTRACTOR#S SCOPE OF WORK. 13.#PROPER VENTILATION, LIGHTING AND ANTI-CONDENSATION HEATERS WITH HYGROSTAT FOR TEMPERATURE & HUMIDITY CONTROL SHALL BE PROVIDED IN THE BATTERY CHARGERS						

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			COMPARTMENT. 14.#INSTALLATION OF EQUIPMENT (COMPONENT LAYOUT) INSIDE THE PANEL SHALL BE SUCH THAT MAINTENANCE WORK INCLUDING REMOVAL & REINSTALLATION OF COMPONENTS CAN BE EASILY DONE AND FIRE INCIDENT CANNOT SPREAD TO STANDBY SYSTEM. 15.#DOCUMENTS: ON SATISFACTORY COMPLETION OF COMMISSIONING AND HANDING OVER OF THE REDUNDANT DC SYSTEM, THE VENDOR SHALL SUBMIT THREE SETS OF HARD COPIES (SUITABLY BOUND WITH A HARD COVER)) OF AS BUILT DRAWING. 16.#THE BIDDERS ARE ADVISED TO VISIT THE SITE TO FULLY UNDERSTAND THE SITE CONDITIONS, JOB SCOPE, JOB COMPLEXITIES AND EXTENT OF THE WORK PRIOR TO SUBMISSION OF THEIR BIDS. SUBMISSION OF BIDS SHALL BE DEEMED TO HAVE CONSIDERED THE ABOVE. THE BIDDER SHALL SUBMIT REFERENCE LIST OF THEIR EXECUTED SIMILAR PROJECTS ESPECIALLY						

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			IN G.C.C. COUNTRIES IN POWER PLANT INDUSTRIES. 17 .#DELIVERY TERMS: THE BIDDERS SHALL SUBMIT DELIVERY PERIOD ALONG WITH THEIR OFFER. PROJECT SCHEDULE SHALL BE PROVIDED BY THE BIDDER FROM THE DATE OF ORDER. DEWA WILL ADVISE TENTATIVE OUTAGE WITH 1 WEEK PRIOR NOTICE BASED ON WHICH DELIVERY OF SERVICES SHALL BE ARRANGED. 18.#WARRANTY TERMS: A.#ALL THE MATERIALS AND WORKS CARRIED OUT FOR THE REDUNDANT DC SYSTEM SHALL CARRY A GUARANTEE OF TWO YEARS FOR WORKMANSHIP. B.#WHEN A DEFECT IS NOTICED ON THE INSTALLED EQUIPMENT DURING THE PERIOD OF WARRANTY, THE CONTRACTOR MUST RECTIFY THE FAULT WITHIN A REASONABLE AMOUNT OF TIME AND IT SHALL NOT BE MORE THAN 4 WEEKS WITH NO CLAIMS OR COMPENSATION. 19.#RELIABLE START & RELIABILITY RUN: PRIOR TO TAKE OVER OF						

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			THE WORKS, THE SYSTEM WILL BE SUBJECTED TO RELIABILITY RUN FOR OPERATION PERIOD OF 30 DAYS. ACCEPTANCE OF THE REDUNDANT DC SYSTEM AND TAKE OVER CERTIFICATE (TOC) WILL BE ISSUED AFTER 5 SUCCESSFUL RELIABLE START AND SU CCESSFUL OPERATION. 20.#ANNEXURE: 2 SL.#TECHNICAL DESCRIPTION OF MCB#QTY#REMARKS# 1#MCB; 2POLE ; 32 AMP; C32A; MAKE: MERLIN GERIN; MODEL: C32H-DC; 250 V DC#1#FOR RECTIFIER OUTPUT POWER SUPPLY# 2#MCB ;2POLE; 16 AMP; C16 ; MAKE: MERLIN GERIN; MODEL: C16HC; 415 V A C #1#FOR INCOMING AC SUPPLY# 3#MCB ; 2POLE; 32 AMP; C32A; MAKE: MERLIN GERIN; MODEL: C32H-DC; 250 V DC#1#FOR BATTERY # 4#MCB ; 2POLE ; 10 AMP; C10A; MAKE: MERLIN GERIN; MODEL: C32H-DC; 250V DC ; #1#FOR FEEDER# 5#MCB ; 2POLE; 6 AMP; C6A; MAKE: MERLIN GERIN; MODEL: C 32H-DC; 250 V DC ;#1#FOR FEEDER# 6#MCB ; 2POLE; 6 AMP; C6A; MAKE: MERLIN GERIN; MODEL:						

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			C32H-DC; 250 V DC ;#1#FOR FEEDER# 7#MCB ; 2POLE; 6 AMP; C6A; MAKE: MERLIN GERIN; MODEL: C32H-DC; 250 V DC ;#1#FOR FEEDER# 8#MCB ; 2POLE; 6 AMP; C6A; MAKE: MERLIN GERIN; MODEL: C 32H-DC; 250 V DC ;#1#FOR FEEDER# 9#MCB ; 2POLE; 6 AMP; C6A; MAKE: MERLIN GERIN; MODEL: C32H-DC; 250 V DC ;#1#FOR FEEDER# 10#MCB ; 2POLE; 6 AMP; C6A; MAKE: MERLIN GERIN; MODEL: C32H-DC; 250 V DC ;#1#FOR FEEDER# 11#MCB ; 2POLE; 6 AMP; C6A; MAKE: MERLIN GERIN; MODEL: C32H-DC; 250 V DC ;#1#FOR FEEDER# 12#MCB ; 2POLE; 6 AMP; C6A; MAKE: MERLIN GERIN; MODEL: C32H-DC; 250 V DC ;#1 #FOR FEEDER# 13#MCB ; 2POLE; 6 AMP; C6A; MAKE: MERLIN GERIN; MODEL: C32H-DC; 250 V DC ;#1#FOR FEEDER#						

TOTAL AMOUNT IN WORDS:

TOTAL AMOUNT:

SPECIAL NOTES / INSTRUCTIONS:

Supply of Panel Enclosure

STANDARD TERMS & CONDITIONS

MATERIAL AND OR SERVICE PROVIDED TO DEWA SHOULD PREFERABLY BE ENERGY EFFICIENT AND ENVIRONMENT FRIENDLY.

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- 1) Prices should be 'DDP' delivery duty paid at DEWA stores.
- 2) Quotation to be submitted only in local currency U.A.E Dirhams
- 3) DEWA Standard payment terms is '30 days credit' from the date of acceptance of material
- 4) 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 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