

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2492500677
DATE : 22.10.2025
REQ No : 1172501122
REQ TITLE : SITC AC Unit-1 No at Najma DC
DELIVERY LOCATION : 0052 - CS(W&C) - WARSAN
CLOSING DATE : 31.10.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
1	7000000011		DEWA-CONFIDENTIALSUPPLY AND REPLACEMENT OF EXISTING PACKAGE AC UNIT-1 NO AT NAJMA DCCBUILDINGA.TECHNICAL SPECIFICATIONCONTRACTOR SCOPE OF WORK:SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF NEW PACKAGE AC UNITSINCLUDING NEW DUCTING BRANCHES AND ACCESSORIES TO REPLACE EXISTING OLDPACKAGE UNIT AND CONNECTED DUCTING BRANCHES AT ROOF FLOOR OF NAJMA DCCBUILDING AS PER THE FOLLOWING DETAILS. THE CONTRACTOR#S SCOPE ALSOINCLUDES REMOVAL OF THE OLD PACKAGE UNIT AND THE CONNECTED DUCTINGBRANCHES FROM THE BUILDING ROOF AND DISPOSAL AT DEWA CENTRAL SCRAP YARD.SI NO.BUILDINGDETAILS OF EXISTING ASSETACTUAL COOLING CAPACITYNEW ASSET NO.1NAJMA DCCDM150C00A7ARC3 (YORK)20 TR1210000112521.ENVIRONMENT FRIENDLY REFRIGERANT SHALL BE USED SUCH AS R 407C / R410A /R134A SUBJECT TO DEWA APPROVAL.	1	EA				

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			(NOTE: PACKAGE A/C WITH OZONE DEPLETING REFRIGERANT R-22 IS NOT ACCEPTABLE, AND NOT TO BE QUOTED. THE PACKAGE UNITS OF NOMINAL COOLING CAPAC ITY LESS THAN SPECIFIED ABOVE IS NOT ACCEPTABLE, AND NOT TO BE QUOTED). 2. THE PACKAGED UNITS MAKE SHALL BE FROM ONE OF THE BRANDS PREV IOUSLY APPROVED FOR DEWA (M/S SKM. CARRIER, DAIKIN, YORK, PETRA, MITSUBISHI) OF ACCEPTABLE TECHNICAL PERFORMANCE, ENERGY EFFICIENT AS PER VALID ESMA APPROVAL AND SUBJECT TO DEWA APPROVAL AS PER TECHNICAL EVALUATION PRIOR TO ISSUANCE OF PO. 3. THE PROPOSED PACKAGED UNIT/ S DIMENSIONS SHALL MATCH THE SIZE OF THE EXISTING UNIT/S AT SITE OR ELSE, THE CONTRACTOR SHALL ENSURE THAT THERE IS SUFFICIENT SPACE T O ACCOMMODATE THE INSTALLATION OF THE NEW UNIT/S WITHOUT HINDERING THE INGRESS/EGRESS						

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			AND MAINTENANCE ACCESSIBILITY OF EXISTING UNITS. 4. CONTRACTOR SHALL OBTAIN FROM ORIGINAL EQUIPMENT MANUFACTURER (OEM) AND ENCLOSE THE DETAILS (MAKE AND ORIGIN) OF MAJOR COMPONENTS SUCH AS COMPRESSOR, BLOWER MOTOR, EVAPORATOR COIL, CONDENSER COIL, EVAPORATOR BLOWER, CONDENSER FAN AND MOTOR, EXPANSION VALVE, FILTER DRIER ETC. 5. IN THE BUILDING, INTERNAL TEMPERATURE REQUIREMENT IS 20±2 °C INSIDE OFFICE, CONSIDER THE EXTERNAL DESIGN AMBIENT CONDITION S DBT 50 DEG. C (MAX.) AND WBT 32 DEG. C (MAX.) DURING SUMMER. ALL ITEMS OF PACKAGED UNITS AND FIELD INSTALLED ITEMS SHALL BE DESIGNED TO OPERATE WITHOUT MALFUNCTION UP TO A MAXIMUM AMBIENT CONDITION OF 50°C D.B.T AND A MINIMUM AMBIENT CONDITION OF 1°C D.B.T, WITH INSTANCES OF 100%						

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			R.H.DEWA-CONFIDENTIALCONTRACTOR SHALL CONSIDER DESIGN EXTERNAL STATIC PRESSURE (ESP) OF ATLEAST 400PA, HOWEVER, CONTRAC TOR SHALL ESTIMATE ACTUAL ESP AS PER SITECONDITION FOR SELECTION OF THE NEW UNITS TO ENSURE THE COOLING CAPACITYAS MENTIONED ABOVE. EACH NEW PACKAGE UNIT SHALL OPERATE IN CONJUNCTIONWITH THE OTHER EXISTING PACKAGE UNIT/S IN THE SAME HVAC SYSTEM WITHOUTANY MALFUNCT ION IN (2 DUTY + 1 STANDBY) AUTO-MODE OR AS INSTRUCTED BYTHE DEWA- ENGINEER-IN-CHARGE OF THE SITE. THE HVAC SYSTEMS SHALL HANDLEPRED OMINANTLY RE-CIRCULATED AIR WITH A CONTROLLED QUANTITY OF FRESH AIRINTRODUCED AT RETURN DUCT PLENUM.6.PACKAGE UNIT SHALL BE ONE PIEC E PACKAGED AIR COOLED AC UNIT, TO ACHIEVETHE FOLLOWING FUNCTIONS AND FEATURES, AS MINIMUM:(A) DUAL REFRIGERANT CIRCUITS.(B) VIBRATIO						

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			N ISOLATION FOR INTERNAL OPERATING COMPONENTS.(C) HEATING OF COMPRESSORS DURING STANDBY MODE (CRANK CASE HEATER).(D) SIGHT GLASS TO MONITOR THE REFRIGERANT CIRCUIT.(E) FILTER DRIER REPLACEMENT SHALL BE POSSIBLE WITHOUT LOSS OF REFRIGERANT AND CUTTING OF COPPER PIPE S.(F) ELECTRIC ISOLATION AND EXTERNAL OVERLOAD PROTECTION FOR COMPRESSORS,BLOWER AND CONDENSER FAN MOTORS.(G) UNDER VOLTAGE MONITORING.(H) EARTH LEAKAGE PROTECTION FOR THE COMPLETE UNIT.(I) CONTROL CIRCUIT SUPPLY SHALL BE 220V AC.(J) LOW AMBIENT PRESSURE CONTROL B Y FAN CYCLING SWITCH(K) LEAD / LAG SWITCH FOR DUAL COMPRESSORS, INTERNAL PROTECTION, AND SHORT CYCLING PREVENTION.(L) LOW-PRESSURE AND HIGH-PRESSURE SWITCHES FOR EACH CIRCUIT.(M) THERMOSTATIC EXPANSION VALVES FOR EACH CIRCUIT.(N) ELECTRICAL AND CONTROL						

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			PANEL WITH W EATHER-PROOF ENCLOSURE WITHINTERNAL PARTITIONS.7.PROVISION FOR INDIVIDUAL FAULTS INDICATION TO BE MADE ON AIRCONDITIONING UNITS CONT ROL PANEL. MANUFACTURER SHALL ENSURE THATSUFFICIENT AUXILIARY CONTACTS ARE MADE AVAILABLE IN THE PACKAGED UNITSFOR INTERFACING WITH BMC SYSTEM.8.THE PACKAGE UNITS WITH MICROPROCESSOR CONTROLLER SHALL BE WITH DIGITALDISPLAY OF FAULTS/FAULTS# LOG AND A PUSH BUTTON T O ENABLE RESETTNG OFALARMS.DEWA-CONFIDENTIAL9.THE EVAPORATOR AND CONDENSER COILS SHALL BE COPPER PLATE FINSMCHANICALLY BONDED TO S EAMLESS COPPER TUBES, WITH ALL JOINTS BRAZED.GOOD QUALITY ANTI-CORROSION COATING SHOULD BE PROVIDED TO CONDENSERCOILS FROM FACTORY. CONDENSER COIL GUARD SHALL BE PROVIDED.10.THE UNIT CABINET SHALL BE						

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			CONSTRUCTED OF SUITABLE MATERIAL FOR OUTDOOR INSTALLATION WITH WEATHER-PROOF CORROSION RESISTANT MARINE COATING PAINT. EVAPORATOR PANELS SHOULD BE DOUBLE SKIN. THE CABINET PANEL SHALL BE EASILY REMOVABLE FOR SERVICE TO ALL COMPONENTS. UNIT SHALL BE DESIGNED TO EASILY DRAIN OUT THE CONDENSATE WATER. 11. THE BLOWER SUPPLY FAN SHALL BE SELECTED TO ACHIEVE THE DESIGN AIR FLOW WITH DIRECT OR BELT DRIVEN TYPE, AS PER THE SITE REQUIREMENT MATCHING WITH OTHER PACKAGED UNIT/S IN THE SAME SYSTEM. FAN MOTOR SHALL BE WITH PERMANENTLY LUBRICATED BEARING. BLOWER FAN MOTOR SHALL BE SELECTED TO ENSURE NON-OVERLOADING TYPE OPERATION WITH MINIMUM OF 10 % OF POWER RESERVE. 12. THE CONDENSER FAN SHALL BE OF THE PROPELLER TYPE WITH DIRECT DRIVEN, TOTALLY ENCLOSED, PERMANENTLY LUBRICATED						

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			MOTORS. THE CONDENSER FAN SHALL DISCHARGE UPWARDS. PACKAGE UNIT SHALL HAVE MINIMUM 2 NOS. CONDENSER FANS. CONDENSER FAN MOTORS SHALL BE SUITABLE FOR OPERATION IN AN AMBIENT AIR TEMPERATURE OF 55°C. 13. THE RETURN AIR FILTER SHALL BE 50MM THICK GOOD QUALITY ALUMINUM FILTER, WASHABLE TYPE AND SUITABLE FOR PERMANENT USE. FILTER MEDIA SHALL BE SUPPORTED IN RIGID PERIPHERAL; FRAMES WITH INTERNAL OR EXTERNAL PVC COATED WIRE SUPPORT OF THE MEDIA TO ENSURE THAT THE MEDIA SHALL NOT COLLAPSE UNDER AIRFLOW. THE HOLDING FRAMES SHALL INCORPORATE ACCURATELY SIZED CHANNEL SECTIONS TO PROVIDE A GOOD SLIDING FOR THE FILTERS. 14. CONTRACTOR SHALL ALL SUPPLY AND INSTALL ALL NECESSARY FIELD CONTROLS AND CONTROL WIRING, INCLUDING BUT NOT LIMITED TO, DUTY CHANGE OVER, MANUAL/AUTO/OFF						

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			F SELECTION, SUPPLY AIR TEMPERATURE SENSOR, DIFFERENTIALPRESSURE SWITCH, AIRFLOW SWITCH, RETURN AIR TEMPERATURE/HUMIDITY SENSORETC. NECESSARY FOR THE AUTOMATIC OPERATION OF THE NEW PACKAGED UNITS TOPROVIDE A SMOOTH HVAC SYSTEM CONTROL AND OPERATION IN THE SUBSTATI ON.CONTRACTOR SHALL CARRY OUT NECESSARY INTERLOCKING OF NEW PACKAGED UNITSWITH HVAC CONTROL PANEL OF THE SUBSTATION AS PER SITE COND ITION TOACHIEVE ALL DESIGNED OPERATIONS BOTH IN AUTOMATIC MODE (NORMAL MODE) ASWELL AS IN MANUAL MODE UNDER MAINTENANCE CONDITIONS. THE UNITS SHALL BECONTINUOUSLY AVAILABLE FOR COOLING AND SHALL BE BY RETURN AIRTEMPERATURE/ HUMIDITY SENSORS TO ACHIEVE ON/OFF CONTR OL OF COMPRESSOR.DEWA-CONFIDENTIAL15.REPLACE THE SUPPLY AND RETURN DUCT BRANCHES AND						

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			THE DUCT SUPPORT OF OLDPACKAGE UNIT ON THE ROOF WITH NEW RECTANGULAR DUCTING MADE OF GI SHEETOF MINIMUM 0.8MM THICKNESS ALL AS PER ASHRAE/ DW144/SMACNA. INSTALL NEWSUPPLY AND RETU RN DUCTING BRANCHES IN ALIGNMENT WITH THE MOUTHCONNECTION OF NEW PACKAGE AC UNITS USING GOOD QUALITY FLEXIBLE DUCTCONNECTOR AT ONE E ND. THE SUPPLY AND RETURN AIR DUCTING ARRANGEMENT ANDMOUTH CONNECTIONS OF THE NEW PACKAGED AC UNITS SHALL MATCH WITH THEEXISTING ARR ANGEMENT AT SITE TO ENSURE EASY CONNECTION AND SMOOTHAIRFLOW. THE NEW SUPPLY AND RETURN DUCTING BRANCHES SHALL CONNECT WITHTHE EXIST ING SUPPLY AND RETURN DUCT PLENUMS RESPECTIVELY AT THE OTHEREND. FOR ALL NEW DUCT BRANCHES CONNECTING WITH NEW PACKAGE UNITS,PROVIDE SUITABLE AND SUFFICIENT NUMBER OF DUCT						

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			SUPPORTS AS NECESSARY.THE SUPPORTS SHALL BE HOT DIPPED GALVANIZED, PRE-FABRICATED, BROUGHT AND ERECTED AT SITE BY THE CONTRACTOR. ALL THE ROOF DUCT SUPPORTS SHALL BE FIXED ON REINFORCED CONCRETE PEDESTAL.16.THE CONTRACTOR SHALL SUPPLY AND PULL CABLES WITH KOPEX FLEXIBLE STEEL CONDUIT FROM THE NEAREST DP TO THE PACKAGE UNIT, AND SUPPLY AND INSTALL THE THERMOSTAT, CONTROL BOARD						

TOTAL AMOUNT IN WORDS:

TOTAL AMOUNT:

SPECIAL NOTES / INSTRUCTIONS:

SITC AC Unit-1 No at Najma DCC Building.

Contact: Mr.Mohideen - 055-3810513

Payment Terms: 5% retention

Site Visit Date: 24.10.2025

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

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STANDARD TERMS & CONDITIONS

- 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.
 - 6) Confidentiality Clause: The Supplier/Service Provider shall treat all information and data (excluding open data) contained in the Purchase Order or obtained by the Supplier/Service Provider in connection with the execution of Works as proprietary and strictly confidential. In particular, the Supplier/ Service Provider shall not publish or disclose any data or information including but not limited to personally identifiable information, government data, project details, specifications, drawings or photographs concerning the Works to any third parties without the prior written consent of the Employer.
- If the Supplier/Service Provider is obligated to obtain NOCs / Permits /Permissions for the Project from Government agencies as per the terms and scope of the Contract, the Supplier/Service Provider shall submit only the specific data required for the purpose to the authorized team of the agency, through their prescribed channel / system, subject to information security requirements
- The Supplier/Service Provider shall comply with all the applicable data protection laws and regulations.

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SUPPLIER'S REMARKS :

SUPPLIER'S SIGNATURE AND STAMP