



RFQ NUMBER : 2412400425

DATE : 25.03.2024 **REQ No** : 1032400849

REQ TITLE : AMC 1032400849

DELIVERY LOCATION

CLOSING DATE : 29.03.2024

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
1		ITEM-00001	COMPREHENSIVE ANNUAL MAINTENANCE OF	4	NO				
			CHILLED & CONDENSER WATER						
			CHEMICALTREATMENTS, BACTERIA & LEGIONELLA						
			IN THE WATER SYSTEM AT BMC B						
			UILDINGA.#SCOPE OF WORK FOR CHILLED &						
			CONDENSER WATER CHEMICAL TREATMENTS:						
			#THE CONTRACTOR IS REQUIRED TO QUOTE						
			LUMP SUM PRICE FOR						
			COMPREHENSIVEANNUAL MAINTENANCE OF						
			CHILLED AND CONDENSER WATER CHEMICAL						
			TREATMENTSAND BACTERIA & LEGIONELLA IN THE						
			WATER SYSTEM (IN						
			CLUDING SUPPLY OFCHEMICALS, REPAIR AND						
			REPLACEMENT OF AUTO DOSING SYSTEMS,						
			REPLACEMENT OFDEFECTIVE SENSORS,						
			REPLACEMENT OF SOLENOID						
			VALVES, REPLACEMENT OF DOSINGTUBES AND						
			CONDUCTIVITY CONTROLLERS ETC).#THE						
			PARTIES SHOULD VISIT THE SITE AND CHECK THE						
			SYSTEMS, ASS						
			ES THEREQUIREMENT AND TO QUOTE LUMP SUM						
			ACCORDINGLY. #ALL THE MATERIALS IN GENERAL						
			WILL CONFORM AS PER LATEST STANDARDS						





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			ANDSHALL BE						
			SUBMITTED TO DEWA FOR ENGINEERS						
			APPROVAL#TEST THE WATER CHEMICAL						
			ANALYSIS AND ADVICE AND ADD OF THE						
			REQUIREDCHEMICAL.·#ADD THE REQ						
			UIRED CHEMICALS FOR SOFTENING,						
			ANTICORROSION AND TAKESAMPLE AGAIN FOR						
			WATER SAMPLING AND ANALYZING. #EVERY						
			MONTH TAKE WATER SAMPLES						
			AND TEST FOR ANALYZING ALL						
			FACTORSREQUIRED FOR CLOSED CIRCUITS						
			CHILLED WATER SYSTEM TO KEEP						
			WATEREFFICIENCY AT THE 7 DEG. C AND COND						
			ENSER WATER CIRCUIT AS WELL. #THE						
			CONTRACTOR MUST SUBMIT ANALYZING REPORTS						
			(CHILLED & CONDENSERWATER AND BACTERIA &						
			LEGIONELLA) ARE						
			MONTHLY BASIS. (FROM DM APPROVEDLAB) FOR						
			OUR VERIFICATION. #CONTRACTOR TO MAINTAIN						
			AND KEEP MINIMUM SPARE CHEMICALS AS PER						
			SITEREQUI						
			REMENT#THE CONTRACTOR TO BE REMOVED						
			EMPTY CANS AND EXPIRED CHEMICALS AS						





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			WELLFROM THE SITE. #DURATION OF THE WATER						
			FLUSHING, TESTIN						
			G AND ADJUSTING TO COMPLETE ALLWORKS						
			WITHIN TWO MONTHS OF THE WINTER TIME						
			ONLY.RECOMMENDED LIMITS FOR CHILLED						
			WATER.SR. NO#TEST NAME						
			#CONTROL LIMIT#1#PH#8.5 - 11#2#CONDUCTIVITY						
			(#S/CM)#< 3000#3#TOTAL DISSOLVED SOLIDS						
			(MG/L)#< 2100#4#SUSPENDED SOLIDS (MG/L)#<						
			30#5#D						
			ISSOLVED IRON (MG/L)#< 0.5#6#NITRITE (MG/L						
			NO2)#> 600#RECOMMENDED LIMITS FOR						
			CONDENSER WATER.SR. NO#TEST						
			NAME#CONTROL LIMIT#1#TOTAL						
			HARDNESS(PPM AS CACO3)#< 500#2#CALCIUM						
			HARDNESS (PPM AS CACO3)#< 300#3#M						
			ALKALINITY (PPM AS CACO3)#< 300#4#CHLORIDE						
			(MG/L)#< 600#5#P						
			H#8 - 9#6#CONDUCTIVITY (#S/CM)#< 2400#7#TOTAL						
			DISSOLVED SOLIDS (MG/L)#<						
			1700#8#PHOSPHONATE (MG/L)#8 -						
			10#9#DISSOLVED IRON (MG/L)#< 1						
			#SCOPE OF WORK FOR BACTERIA/ LEGIONELLA IN						





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			THE WATER SYSTEM:# THE CONTRACTOR IS						
			REQUIRED TO QUOTE LUMP SUM PRICE FOR						
			ANNUALMAINTE						
			NANCE OF TESTING AND CONTROLLING AND						
			TREATMENT OF MICROBIOLOGICALANALYSIS &						
			LEGIONELLA IN THE WATER SYSTEM#THE						
			PARTIES SHOULD VISI						
			T THE SITE AND CHECK THE SYSTEMS ASSES						
			THEREQUIREMENT AND TO QUOTE LUMP SUM						
			ACCORDINGLY#MONTHLY INSPECTION OF THE						
			SYSTEM, TESTING						
			AND GIVE REPORT FORBACTERIAL COUNT AS PER						
			DM REGULATION (AS PER BELOW TABLE).#EVERY						
			MONTH TEST REPORTS TO BE PROVIDED FOR						
			BACTERIA A						
			EROBIC COUNTFOR COOLING TOWERS (AS PER						
			BELOW TABLE):#EVERY THREE-MONTH TEST						
			REPORT TO BE PROVIDED FOR LEGIONELLA						
			(ALLWATER SYSTEM AN						
			D CHILLED WATER & COOLING TOWER) (AS PER						
			BELOW TABLE).#EVERY THREE-MONTH TEST						
			REPORT TO BE PROVIDED FOR BACTERIA						
			AEROBICCOUNT FOR AL						





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			L WATER SYSTEM EXPECT COOLING TOWER AS						
			PER DM REGULATION.(AS PER BELOW						
			TABLE):#TEST TO BE PERFORMED FROM DUBAI						
			MUNICIPALITY ACCREDIT						
			ED LABORATORYONLY#IF THE BACTERIA/						
			LEGIONELLA COUNT WAS FOUND ABOVE THE						
			ACCEPTABLERANGE, IT HAS TO BE INTIMATED TO						
			THE CONCERNED E						
			NGINEER AND CORRECTIVEMEASURES/PLAN HAS						
			TO BE GIVEN. #WATER QUALITY MUST BE TESTED						
			TO ASSESS EFFICACY OF THE WATERTREATMENT						
			SYSTEM A						
			ND GENERAL SYSTEM CLEANLINESS. SAMPLING						
			AND TESTINGMUST BE CARRIED OUT FOR THE						
			PRESENCE OF BACTERIA, BOTH GENERAL						
			(AEROBIC)BACTERIAL						
			SPECIES AND LEGIONELLA BACTERIA. #SAMPLE						
			SHOULD BE COLLECTED FROM EACH COOLING						
			WATER SYSTEMS (COOLINGTOWERS AND						
			EVAPORATIVE CONDENS						
			ERS).#SAMPLE SHOULD BE COLLECTED FROM						
			EACH WATER SYSTEM WITH A WATERSTORAGE						
			VOLUME OF OVER 1,000 LITERS AND WHICH			1		1	





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SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAI PRICE
			PRODUCE SPRAY OR						
			AEROSOLSUCH AS SPAS, FOUNTAIN, WATERFALL						
			SYSTEMS, EVAPORATIVE AIR COOLERS, MISTERS,						
			AIR WASHERS AND HUMIDIFIERS. #THE MINIMUM						
			RECOMME						
			NDED SAMPLING FREQUENCY AS SHOWN BELOW:						
			#MICROBIOLOGICAL ANALYSIS OF WATER						
			SAMPLES: -SAMPLES MAY BE ANALYZEDBY THE						
			LABORATORY BY T						
			HE DM APPROVED METHOD. #THE ANALYSIS OF						
			MICROBIOLOGICAL SAMPLES MUST BE						
			UNDERTAKEN BY ALABORATORY THAT IS						
			ACCREDITED BY DUBAI MUNICI						
			PALITY TO PERFORM THEREQUIRED TESTING. AND						
			THE TEST RESULTS MUST BE AVAILABLE FOR						
			INSPECTIONBY THE DUBAI MUNICIPALITY (DM)						
			STAFF.·#T						
			HE CONTRACTOR IS REQUIRED TO TAKE ALL						
			PRECAUTION. SO AS NOT, DAMAGEANY OF THE						
			EXISTING EQUIPMENT/ STRUCTURE						
			ETC#-#SHOULD WE EXPERIEN						
			CE A BREAKDOWN IN ANY OF EQUIPMENT/SYSTEM						
			AT ANYTIME OF THE DAY OR NIGHT, YOU WILL						





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SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAI PRICE
			RESPOND TO OUR REQUEST WITH YOUR 24HOURS						
			EMERGENC						
			Y CALL OUT SYSTEM AVAILABLE 7 DAYS A WEEK						
			ALL YEAR ROUND.RESPONDING TIME TO						
			BREAKDOWN CALLS IS WITHIN 30 MINUTES AFTER						
			RECEIPT OFNOT						
			IFICATION AS PER BELOW TWO SLA						
			CONDITIONS#RISK ASSESSMENT, METHOD OF						
			STATEMENT AND ACTION PLAN TO BE						
			SUBMITTEDBEFORE PROCEEDING TH						
			E WORK. #ALL MAINTENANCE ACTIVITIES SHALL BE						
			PERFORMED IN PRESENCE/SUPERVISION OF						
			COMPETENT SUPERVISOR. #SERVICE/ ANALYSIS						
			REPORT TO						
			BE SUBMITTED ON A MONTHLY AND						
			QUARTERLYBASIS FOR OUR VERIFICATION.:#THE						
			CONTRACT PERIOD WILL START FROM THE DATE						
			OF FIRST SERVICE/						
			VISIT. #IN CASE OF UN-SATISFACTORY						
			PERFORMANCE, THE LPO WILL BE						
			CANCELLEDGIVING 30 DAYS# NOTICE-#CONTACT						
			PERSON FOR SITE VISIT MR. M						
			OHIDEEN: 055 3810513, 04 3227879AND MR. AKBAR						





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			ALI: 052 8682151.WATER SYSTEM TYPE,						
			COMPONENTS, AND MINIMUM NUMBER OF WATER						
			SAMPLESTHE						
			MINIMUM RECOMMENDED SAMPLING FREQUENCY						
			AS SHOWN IN TABLE BELOW:PARAMETER#						
			F						
			REQUENCY##ALL WATER SYSTEM (EXPECT						
			COOLING WATER SYSTEM)#COOLING						
			WATER#LEGIONELLA#QUARTERLY#QUARTERLY#A						
			EROBIC COUNT#QUARTERLY#MONTHL						
			Y#THE TESTING FOR LEGIONELLA BACTERIA MUST						
			BE DETECTED BY CULTURE OFVIABLE ORGANISMS						
			ACCORDING TO THE INTERNATIONAL STANDARD						
			ISO 117						
			31(ENUMERATION OF LEGIONELLA) (LATEST						
			VERSION)#THE SAMPLING METHOD SHOULD BE IN						
			ACCORDANCE WITH BS 7592 (SAMPLINGFOR						
			LEGIONELLA BA						
			CTERIA IN WATER SYSTEM) (LATEST						
			VERSION).#THE ANALYSIS OF MICROBIOLOGICAL						
			SAMPLES MUST BE UNDERTAKEN BY						
			ALABORATORY THAT IS ACCREDIT						
			ED BY THE EMIRATES		1				





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			INTERNATIONALACCREDITATION CENTRE (EIAC)						
			TO PERFORM THE REQUIRED TESTING. #THE TEST						
			RESULTS MUST BE AVAILABLE FOR						
			INSPECTION BY THE DUBAIMUNICIPALITY						
			STAFF.WATER QUALITY GUIDELINE.·#A						
			DETECTABLE POPULATION OF LEGIONELLA						
			BACTERIA IN THE WATER IND						
			ICATESTHAT THERE WILL BE A LARGER						
			POPULATION IN SEDIMENTS AND BIOFILM						
			WITHINTHE SYSTEM.:#UNDETECTABLE						
			LEGIONELLA BACTERIA IN THE WAT						
			ER SAMPLE MAY NOTNECESSARILY INDICATE THAT						
			THE SYSTEM IS FREE OF THESE ORGANISMS, AS						
			THEYMAY STILL BE ATTACHED TO						
			SURFACES.:#THE PRI						
			MARY TOOL FOR THE CONTROL OF LEGIONELLA						
			BACTERIA IS GOODHYGIENE PRACTICE. IT HAS						
			BEEN FOUND TO BE VERY DIFFICULT TO MANAGE						
			THEMICROB						
			IAL CHARACTERISTICS OF A COOLING WATER						
			SYSTEM BASED ONLY ONLEGIONELLA						
			BACTERIA-SPECIFIC DATA. #MONITORING THE						
			OVERALL BACTERIAL LEVE						





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			L IS FAR MORE EFFECTIVE.RECOMMENDED LIMITS						
			FOR BACTERIAL CONTAMINATION IN (CFU/L)						
			UNIT,ACCORDING TO THE WATER SYSTEM IN						
			TABLE BELOW:						
			LIMIT REFERENCE OF MICROBIAL						
			CONTAMINATION.NO#WATER						
			SYSTEM#MICROORGANISM#LIMIT						
			REFERENCE#1#COOLING WATER SYSTEM						
			(COOLING TOWER AND E						
			VAPORATIVE CONDENSER)#LEGIONELLA#NOT						
			EXCEED 1000 CFU/L###AEROBIC BACTERIAL						
			COUNT#NOT EXCEED 10000 CFU/ML#2#HOT, WARM						
			AND COLD WATER						
			SYSTEM#LEGIONELLA#NOT EXCEED 1000						
			CFU/L###TOTAL BACTERIAL COUNT#500						
			CFU/ML#3#EVAPORATIVE AIR						
			COOLERS#,LEGIONELLA#LESS THAN 1 CFU/L##						
			#TOTAL BACTERIAL COUNT#500 CFU/ML#COOLING						
			WATER SYSTEM (COOLING TOWER AND						
			EVAPORATOR CONDENSER).# LEGIONELLA						
			BACTERIA COUNT SHOULD N						
			OT EXCEED 1000 CFU/LITRE.# TOTAL BACTERIA						
			COUNT (TBC) SHOULD BE BELOW 10000 CFU/ML OF			1			





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CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			WATERSAMPLE. HOWEVER, THIS MAY NOT BE						
			PRACTICA						
			L IN ALL CIRCUMSTANCES.# CONCENTRATIONS						
			ABOVE 10000 CFU/ML INDICATE THAT CONDITIONS						
			IN THESYSTEM ARE FAVORING BACTERIAL						
			MULTIPLICATI						
			ON.# THE BELOW DETAILS RECOMMENDED ACTION						
			TO BE UNDERTAKEN FOR A RANGE OFTBC#S.						
			ACTION LEVELS FOLLOWING TESTIN						

TOTAL AMOUNT IN WORDS: TOTAL AMOUNT:

SPECIAL NOTES / INSTRUCTIONS:

AMC OF CCWCT

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

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perceived Conflict of Interest.

SUPPLIER'S SIGNATURE AND STAMP

Э) The offered product and/ or services in the Quotation, shall be conforming and in accordance with DEWA Energy Management Policy & EniMS Manual.
9	SUPPLIER'S REMARKS: