

REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

RFQ NUMBER : 2332500080
DATE : 08.01.2025
REQ No : 1032406219
REQ TITLE : Integrity inspection for wast
DELIVERY LOCATION
CLOSING DATE : 14.01.2025
CLOSING TIME : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
1		ITEM-00001	<p>TECHNICAL SPECIFICATION: PR # 1031902361PAGE 1 OF 9TECHNICAL AND GENERAL SPECIFICATION OF TANK INTEGRITY ANALYSISAT L-II STATION, JE BEL ALI POWER STATION.1.#INTRODUCTION :INTEGRITY ANALYSIS, FITNESS FOR SERVICE ASSESSMENT AND RLA FOR WASTEWATER TREATMENT PLANT TAN KS AND CHEMICAL DOSING TANKS AT DEWA L-2STATION. CONDUCT INTERNAL/EXTERNAL INSPECTION (AS APPLICABLE) ANDRECOMMENDED NDT ANALYSIS (NOT LIMITED TO THICKNESS AND MPI FOR WELDINGJOINTS) IN COMPLIANCE TO API 653. BASED ON FINDINGS IN NDE, FITNESS FORSERVICE ASSESMEN T SHALL BE CARRIED OUT AND RECOMMENDATIONS FOR REPAIR(IF ANY) SHALL BE PROVIDED.STATION#EQUIPMENT /SYSTEM DESCRIPTION#KKS NO/ID NO#Q TY#TYPE /MODEL#CONTENTS STORED (E.G., WATER, CHEMICALS, FUEL)#CODE OF CONSTRUCTION#TANK DIMENSION (DIAMETER, HEIGHT) MM#CAPACITY (V</p>	1	EA				

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			<p>OLUME)GROSS /WORKING CAPACITY M3#DESIGN PRESSURE AND TEMPERATURE RATINGS#OPERATING CONDITIONS (TEMPERATURE AND PRESSURE DURING OPERATION)#CONSTRUCTION MATERIAL (E.G., STEEL, STAINLESS STEEL, FIBERGLASS)#DATE OF INSTALLATION #L2#OIL SLUDGE TANK#80GNK40BB002#1#ABOVE GROUND - VERTICALCYLINDRICAL #OIL SLUDGE#API 650#1500 X 1700#3#ATM-AMB#60-ATM#A285GR.C+EPOXY COATING#2006#L2#SLUDGE CONTAINER#80GNB 31BB004#1#ABOVE GROUND - VERTICALCYLINDRICAL #OIL SLUDGE#API 650#1500 X 1700#3#ATM-AMB#60-ATM#A285GR.C+EPOXY COATING#2006#L2#OIL HOLDING TANK#80GNK40BB001#1#ABOVE GROUND - VERTICALCYLINDRICAL #WASTE OIL#API 650#2800 X 1700#10#ATM-AMB#60-ATM#A285GR.C+EPOXY COATING# 2006#L2#COAGULATION TANK#80GNB31BB002#1#ABOVE GROUND - VERTICALRECTANGULAR #OILY WASTE</p>						

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			WATER#API 650#W 1000 X L 1200X H 2000#2#FULL LIQUID-AMB#60-ATM#A285GR.C+RUBBER LINING#2006#L2#REACTION TANK#80GNB31BB001#1#ABOVE GROUND - VERTICAL RECTANGULAR#OILY WASTE WATER#A PI 650#W 1000 X L 1200X H 2000#2#FULL LIQUID-AMB#60-ATM#A285GR.C+RUBBER LINING#2006#L2#CPI OIL SEPARATOR#80GNK33BB003#1#ABOVE GROUND - VERTICALRECTANGULAR #OILY WASTE WATER#API 650#W 1231#L 3190#H 3000#15#FULLLIQUID-AMB#60- ATM#A285GR.C+EPOXY COATING#2006#L2#COAGUL ATING DOSING TANK#80GNN42BB001#1#ABOVE GROUND - HORIZONTAL CYLINDRICAL #CHEMICAL#API 650#900 - 1200#0.5#ATM-AMB#AMB-ATM#A240GR 316L# 2006#L2#POLYMER DOSING TANK#80GNN43BB001#1#ABOVE GROUND - VERTICALCYLINDRICAL #CHEMICAL#API 650#900 - 1200#0.5#ATM-AMB#AMB-ATM#A240G R 316L#2006#L2#NAOH DOSING						

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			<p>TANK#80GNN44BB001#1#ABOVE GROUND - VERTICALCYLINDRICAL #CHEMICAL#API 650#900 - 1200#0.5#ATM-AMB#AMB-ATM#A 240GR 316L#2006#L2#AMMONIA DOSING TANKS#SEVERAL#12#ABOVE GROUND - VERTICALCYLINDRICAL #CHEMICAL#API 650###2.5 M³#ATM-AMB#AMB-ATM#A24 0GR316L#2007#L2#PHOSPHATE DOSING TANK#SEVERAL#10#ABOVE GROUND - VERTICALCYLINDRICAL #CHEMICAL#API 650###2 M³#ATM-AMB#AMB-ATM#A240GR 316L#2007#L2#OXYGEN SCAVENGER#SEVERAL#10#ABOVE GROUND - VERTICAL CYLINDRICAL#CHEMICAL#API 650###0.2 M³#ATM-AMB#AMB-ATM#A240GR 316L# 2007#2.#PERIOD OF WORK:TOTAL WORK DURATIONS SHALL BE 7 DAYS FOR ALL TANKS.3.#SCOPE OF WORK:3.1.#SCOPE OF WORK INCLUDE, BUT NOT LIMIT ED TO THE FOLLOWING3.1.1.#THE CONTRACTOR SHALL VISIT THE SITE AND MAKE HIMSELF FULLYFAMILIAR WITH THE WORK SCOPE, PLANT ACCESS, FACI</p>						

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			<p>LITIES, COMPLEXITIES,SAFETY MEASURES ETC., BEFORE HE SUBMIT HIS BID.3.1.2.#CHECK CONDITION SUITABLE TO CARRY OUT WORK. CONDUCT SITE SURVEYAND SAFETY INSPECTION TO ASSESS THE WORKING ENVIRONMENT.3.1.3.#IF WORKING ENVIRONMENT IS SAFE PROCEED THE FOLLOWING STEPS.3.1.4.#MOBILIZE THE API AUTHORIZED INSPECTOR WITH SUITABLE INSPECTIONTOOLS, PPES AND CONSUMABLES, ETC. ON 3 DAYS# NOTICE PERIOD.3.1.5.#TO PROVIDE SERVICES OF EXPERIENCED AND CERTIFIED INSPECTORS.3.1.6.#ALL EQUIPMENT NECESSARY TO EXECUTE INSPECTION AND MEASUREMENTSHALL BE THE SCOPE OF CONTRACTOR.3.1.7.#CONTRACTOR SHALL CARRY OUT INTEGRITY ASSESSMENT, RLA & FFS3.1.8.#TO COLLECT DATA ON ORIGINAL DESIGN AND FABRICATION PRACTICES,THE MATERIAL OF CONSTRUCTION, AND THE SERVICE HISTORY.3.1.9.#DEVELOP INTEGRITY</p>						

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			<p>MANAGEMENT PLAN (IMP)3.1 .10.#PREPARE INSPECTION TEST PROTOCOL (ITP) TO IMPLEMENT IMP AND TO COLLECT NDE DATA ON PRESENT CONDITION OF THE ASSET UNDER SCOPE.3. 1.11.#ITP SHALL HAVE NECESSARY INSPECTION-RELATED INFORMATION DETAILING ALL THE COMPONENTS/STRUCTURES WITHOUT ANY EXCEPTION, TO PLANT HE ACTIVITIES DURING SHUTDOWN INSPECTION.3.1.12.#A MARKUP DRAWING SHALL BE PREPARED SHOWING ALL THE CML LOCATIONS. A UNIQUE IDENTIFIC ATION HAS TO BE DEVELOPED FOR CMLS. COPY OF EXISTING DRAWINGS SHALL BE USED TO MARK CML POINTS.3.1.13.#ALL NDE SHALL BE IN THE SCOPE OF CONTRACTOR ALONG WITH THEIR TEST EQUIPMENT, TOOLS, TACKLES, CONSUMABLES AND CERTIFIED PERSONNEL. COMPARISON AGAINST REQUIREMENTS PR OVIDED IN THE DRAWINGS TO BE MADE BY THE CONTRACTOR.3.2.#TANK INSPECTION:3.2.1.#THE</p>						

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			<p>APPLICABLE EXTERNAL/ INTERNAL INSPECTION MUST BE CONDUCTEDBY AN AUTHORIZED API CERTIFIED INSPECTOR.3.2.2.#A COMPLETE VISUAL INSPECTION SHALL BE PERFORMED TO IDENTIFY ANYSURFACE DEF ECT.3.2.3.#CHECK THE FOUNDATION STRUCTURE, SHELL, ACCESSORIES AND DISC END.3.2.4.#THE OBSERVATIONS SHALL CONCENTRATE ON LEAKAGE FROM UNDER THEBOTTOM, SHELL SETTLEMENT, VERTICALITY, SHELL DEFORMATIONS (FLAT SPOTS,BUCKLES OR BULGES), CORROSION SPOTS ETC.3.2.5.#THE O BSERVATIONS SHOULD INCLUDE THE CONDITION OF PAINT WORK,SAFETY OF STAIRS, PLATFORMS AND HANDRAILS AND PROPER FUNCTIONING OFSERVICE EQ UIPMENT.3.2.6.#WALL THICKNESS MEASUREMENT TO BE DONE FOR SHELL AND ROOF. ASUITABLE ULTRASONIC THICKNESS MEASUREMENT TECHNIQUE SHALL BE APPLIED.3.2.7.#WHEN THERE IS CONCERN THAT</p>						

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			<p>THERE MAY BE CRACKING IN WELDS OR IN OTHER PARTS OF THE TANK THEN THE DEFECTS SHALL BE VERIFIED BY APPLYING AN APPROPRIATE NON-DESTRUCTIVE TESTING TECHNIQUE, E.G. RADIOGRAPHY OR ULTRASONIC TEST, DYE PENETRANT OR MAGNETIC PARTICLE EXAMINATION. 3.2.8.#SURFACE CORROSION, WELD DEFECTS OR COATING TO AN EXTENT, WHICH COULD AFFECT THE INTEGRITY OF THE TANK SHALL BE INSPECTED BY APPROPRIATE METHODS. 3.2.9.#THE TANK SHELL SHALL BE INSPECTED FOR SIGNS OF DEFORMATION (FLATSPOT, BUCKLE OR BULGE), LEAKAGE OR CORROSION OF BOTTOM EDGE AND SHELL PLATES. 3.2.10.#STIFFENING RINGS TO PREVENT BUCKLING DUE TO WIND LOADS AND HIGH THERMAL STRESSES AT LOW AMBIENT (WINTER) TEMPERATURES SHALL ALSO BE CHECKED. 3.2.11.#IF THERE ARE INDICATIONS THAT CORROSION HAS PENETRATED THE</p>						

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			<p>ROOF, ACCESS TO THE ROOF SHALL BE PROHIBITED.3.2.12.#100% VISUAL AND NDT INSPECTION (MPI) FOR ALL WELDING JOINTS.3.2.13.#THE FOLLOWI NG ELEMENTS SHALL BE INSPECTED BUT NOT LIMITED TO BYAN APPROPRIATE METHOD TO ENSURE THAT THEY ARE IN GOOD CONDITION:.#STRUCTURES SUP PORTING AND REINFORCING THE TANK.#MEANS OF ATTACHMENT TO TANK SYSTEM.#ANY SERVICE EQUIPMENT LIKE LEVEL GAUGES, EARTH LUG, VENT PIPE, HEATDETECTORS, STAIRS ETC.#DRAINS, TRENCHES, DRAIN COLLECTION PIT AND INTERCEPTOR ETC.3.2.14.#IT SHALL ALSO INCLUDE THE CONNECTED PIPELINES AND BELLOWS FORPUNCTURE OR CRACKS.3.2.15.#FLANGE AND FLANGE SERRATIONS TO BE INSPECTED AND ANY DEFECT TOBE MENTIONED IN RE PORT AND INFORM TO CONCERN ENGINEER.3.2.16.#VISUAL AND NDT INSPECTIONS FOR TANK SUPPORT STRUCTURES.3.2.17.#ALL</p>						

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			<p>INSPECTION SHALL BE DONE AS PER API STANDARD AND DETAILED REPORT WITH PHOTO TO BE SUBMITTED. 4. #REPORTS AND REPORT CONTENTS FOR THE INSPECTION PERFORMED, THE AUTHORIZED INSPECTOR SHALL PREPARE A WRITTEN REPORT. THESE INSPECTION REPORTS ALONG WITH INSPECTOR RECOMMENDATIONS SHALL BE HANDED OVER TO DEWA REPRESENTATIVE. 5.1. #THE INSPECTION REPORT. 5.2. #THE TANK FIT FOR SERVICE CERTIFICATE. 5.3. #RLA WITH NEXT REQUIRED INSPECTION DATE AS PER INTEGRITY. 5.4. #NDT REPORTS. 5.5. #FINAL WALK DOWN REPORT PRIOR TO TAKE THE TANK IN SERVICE. 5.6. #WORK COMPLETION REPORT WITH PHOTOS. 5.7. #REPORTS SHALL INCLUDE BUT NOT LIMITED TO THE FOLLOWING INFORMATION: A) #DATE(S) OF INSPECTION; B) #TYPE OF INSPECTION (EXTERNAL OR INTERNAL); C) #SCOPE OF INSPECTION, INCLUDING ANY AREAS THAT WERE NOT</p>						

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			INSPECTED,WITH REASONS GIVEN (E.G. LIMITED SCOPE OF INSPECTION, LIMITED PHYSICALACCESS.D)#DESCRIPTION OF THE TANK (NUMBER, SIZE CAPACITY, YEAR CONSTRUCTED,MATERIALS OF CONSTRUCTION, SERVICE HISTORY, ROOF AND BOTTOM DESIGN,ETC).E)#LIST OF COMPONENTS INSPECTED AND CONDITIONS FOUND AND DEFICIENCIESFOUND.F)#INSPE						
2		ITEM-00001	SLUDGE CONTAINER-1500 X 1700, 3 M3	1	EA				
3		ITEM-00001	OIL HOLDING TANK, 2800 X 1700, 10 M3	1	EA				
4		ITEM-00001	COAGULATION TANK, W 1000 X L 1200X H 2000, 2 M3	1	EA				
5		ITEM-00001	REACTION TANK, W 1000 X L 1200X H 2000, 2	1	EA				
6		ITEM-00001	CPI OIL SEPARATOR, W 1231#L 3190#H 3000, 15 M3	1	EA				
7		ITEM-00001	COAGULATING DOSING TANK, 900 X 1200, 0.5 M3	1	EA				
8		ITEM-00001	AMMONIA DOSING TANKS, 2.5 M3	12	EA				
9		ITEM-00001	PHOSPHATE DOSING TANK, 2 M3	10	EA				
10		ITEM-00001	OXYGEN SCAVENGER TANK, 0.2 M3	10	EA				

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11		ITEM-00001	POLYMER DOSING TANK, 900 X 1200, 0.5 M3	1	EA				
12		ITEM-00001	NAOH DOSING TANK, 900 X 1200, 0.5 M3	1	EA				

TOTAL AMOUNT IN WORDS:

TOTAL AMOUNT:

SPECIAL NOTES / INSTRUCTIONS:

Integrity inspection for waste water treatment plant and chemical dosing tanks

Contact ankan.patro@dewa.gov.ae

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.

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SUPPLIER'S REMARKS :

SUPPLIER'S SIGNATURE AND STAMP