

## REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

**RFQ NUMBER** : 2332401173  
**DATE** : 15.05.2024  
**REQ No** : 1032401937  
**REQ TITLE** : 1032401937 SITC FIRE WATER  
**DELIVERY LOCATION**  
**CLOSING DATE** : 22.05.2024  
**CLOSING TIME** : 10:00:00

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
1		ITEM-00001	SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF 01 NOS FIRE WATERTANK AND ASSOCIATED PIPING WORKS AT HTEC 132 KV DEWA SUBSTATIONS COPE OF WORKO#SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF DEWA APPROVEDCYLINDRICAL METAL FIRE WATER TANK OF MINIMUM EFFECTIVE CAPACITY 177 M3AND ASSOCIATED ANCILLARIESO#MODIFICATION OF FOUNDATION, PIPING AND SUPPORTS AS REQUIRED.O#ALL ASSOCIATED CIVIL, ELEC TRICAL AND MECHANICAL WORKS AS PER SITEREQUIREMENTS.O#WATER LEVEL SWITCH SHALL BE INTERFACED WITH FIRE ALARM SYSTEM ASREQUIRED.PRODU CT DETAILS.#THE CAPACITY OF THE FIRE WATER STORAGE TANK SHALL BE MINI 177 M3EFFECTIVE CAPACITY.#TANK SHALL BE INTER-CONNECTED WITH E XISTING FWT 2 SUITABLEPIPING/VALVE ARRANGEMENTS TO FACILITATE ISOLATION FOR THE PURPOSE OFMAINTENANCE/REPAIRS.#THE	1	EA				

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			<p>TANK SHALL BE ANY OF THE FOLLOWING :A.# DEWA APPROVED CYLINDRICAL METAL FIRE WATER TANK OF MINIMUM EFFECTIVE CAPACITY 177 M3.#ALL PIPES, METALLIC PARTS AND EQUIPMENT IN CONTACT WITH WATER IS TO BE OF STAINLESS STEEL 316L.#THE TANK SHALL INCLUDE THE FOLLOWING:A.#EXTERNAL CAT LADDER SHALL BE STAINLESS STEEL/ ALUMINIUM WITH INTERMEDIATE PLATFORM FOR THE ACCESS OF MANHOLE AND INSPECTION OF FLOAT VALVE CHAMBER.B.#THE SUCTION, DRAIN, WATER CONTENT GAUGE, OVERFLOW FLANGE, TEST LINE, INFILLING LINE AND PRESSURE RELIEF LINE CONNECTION.C.#HIGH LEVEL AND LOW LEVEL FLOAT SWITCH (SHALL BE INTERFACED WITH THE FIRE ALARM SYSTEM BY INDIVIDUAL MODULE)D.#MODULATING CONTROL FLOAT VALVE BALL TYPE WITH STAINLESS STEEL BALL AND STAINLESS STEEL PILOT PIPING</p>						

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			<p>ACCESSORIES.E.#FIRE PUMP TEST RETURN LINE NOZZLE (FLANGED)F.#WATER CONTENT DIAL GAUGE, 150MM (6#) SHALL BE SUITABLE FOR OUTDOORAPPLICATION AND UV PROTECTED, THE GAUGE SHOULD READ BOTH WATER VOLUMEAND LEVEL.G.#FIRE PUMP SUCTION LINE NOZZLE (FLANGED)H.#65 MM DRAIN OUTLET CONNECTION (FLANGED END GATE VALVE)I.#AIR VENT #TUBE VENT WITH SS316L BIRD/ INSECT SCREENJ.#FLOAT PILOT AND LIMIT SWITCHES INSPECTION CHAMBER WITH STAINLESSSTEEL HINGE TYPE COVER INCLUDING LOCK AND KEY ARRANGEMENTK.#MANHOLE ACCESS CHAMBER WITH HINGE TYPE COVER INCLUDING LOCK AND KEYARRANGEMENTL.#FIRE PUMP TEST RETURN LINE IS TO BE CONNECTED TO BOTH THE TANKS,EACH BRANCH SHALL BE PROVIDED WITH OS&amp;Y GATE VALVE.M.#ALL METAL PARTS SHALL BE STAINLESS STEEL OF GRADE 316 OR HIGHER.N.#IF TANKERS ARE USED</p>						

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			<p>FOR FILLING OF FIREWATER TANKS AFTER ERECTION, WATER PURITY MUST BE ENSURED. #THE FIRE WATER TANKS SHALL HAVE FIRE PUMP SUCTION PIPE ARRANGEMENT WITH SUMP AND VORTEX PLATE. #DEWA APPROVED CYLINDRICAL METAL FIRE WATER TANK</p> <p>ROOF PURLIN AND SHEET SHALL BE MORE RIGID AND DURABLE TO HANDLE THE LOAD OF PEOPLE DURING MAINTENANCE. #DEWA APPROVED CYLINDRICAL METAL FIRE WATER TANK SHALL BE PROVIDED WITH LOW LEVEL MANHOLE (FROM SIDE) OF MINIMUM 600X600 MM TO ACCESS THE TANK FROM GROUND INSTEAD OF FROM ROOF. #THE FLOAT VALVE CHAMBER AND MANHOLE ACCESS SHALL BE SEPARATE TO HAVE EASY AND SAFE ACCESS TO GO INTO THE TANKS. #THE TANKS SHALL BE PROVIDED WITH FILLING CONNECTION DIRECTLY FROM DEWA LINE WITH A FLOAT OPERATED VALVE FOR AUTOMATIC REFILLING. #PIT SHALL</p>						

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			<p>BE PROVIDED IMMEDIATELY INSIDE THE BOUNDARY WALL OF THE INSTALLATION OF A SHUT OFF VALVE OF SUITABLE BORE TO INFILL THE FIRE WATER TANK</p> <p>K. #THE MODULATING FLOAT VALVE SHALL BE MOUNTED AT GROUND LEVEL. #THE FIRE WATER TANKS# IN-FILL PIPE LINE SIZE SHALL BE AS PER APPROVED WATER TRANSFER PUMPS (FOR OVERHEAD FIRE WATER TANK) DISCHARGE OUTLET MAXIMUM PERMISSIBLE PIPE DIAMETER AND HYDRAULIC CALCULATION.</p> <p>#THE MEANS TO FILL THE FIRE WATER TANK SHALL BE SIZED TO FILL THE TANK IN A MAXIMUM TIME OF 8 (EIGHT) HOURS. #THE HYDRAULIC CALCULATION USING PIPE FLOW CALCULATOR WITH HAZEN-WILLIAMS FORMULA CONSIDERING RESIDUAL PRESSURE OF 0.5 BAR IS TO BE SUBMITTED. #ALL PIPES TO BE INSTALLED UNDERGROUND SHALL BE UPVC (INFILLING), CLASSE AND THE ABOVEGROUND PIPE SHALL BE SEAMLESS SCH 40,</p>						

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			<p>HOT DIPPED GALVANISED. #A</p> <p>LL FITTINGS AND VALVES OF FIRE WATER TANK FILLING WATER TRANSFER PUMP SHALL BE OF BRASS OR G.I. #STRAINER SHALL BE PROVIDED FOR INFIL</p> <p>LING LINE TO FIREWATER TANKS. #IF TANKERS ARE USED FOR FILLING OF FIREWATER TANKS AFTER ERECTION, WATER PURITY MUST BE ENSURED. #MANU</p> <p>FACTURER'S NAMEPLATE SHALL BE PROVIDED WITH TANK SERIAL NUMBER, TANK DIAMETER, HEIGHT, TYPE, MAXIMUM DESIGN CAPACITY, YEAR OF MANUFACT</p> <p>URE AND OTHER PERTINENT DATA. #ALL IDENTIFICATION TAGS/BOARD SHALL BE ENGRAVED AND WEATHERPROOF. FLUSHING #ALL</p> <p>PIPE WORKS INSTALLED U</p> <p>NDER THIS JOB SHALL BE THOROUGHLY FLUSHED WITH WATER IN ORDER TO REMOVE FOREIGN MATERIALS, WHICH MAY HAVE ENTERED THE PIPE DURING THE</p> <p>COURSE OF INSTALLATION. #THE FLUSHING OPERATION SHOULD CONTINUE FOR A SUFFICIENT</p>						

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			<p>TIME TO ENSURE THOROUGH CLEANING OF PIPES. O#CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE THAT MAY BE CAUSED TO ANY PLANTS DUE TO POOR WORKMANSHIP OR NEGLIGENCE. TESTING AND COMMISSIONING O#PRE-COMMISSIONING TEST SHALL BE CARRIED OUT TO CHECK THE PERFORMANCE OF THE NEWLY INSTALLED FIRE WATER TANK. O#FOLLOWING COMPLETION OF ERECTING AND CLEANING OF THE TANK, THE STRUCTURE SHALL BE TESTED FOR LIQUID TIGHTNESS BY FILLING TANK TO ITS OVERFLOW LEVEL. O#THE CONTRACTOR IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS SHALL CORRECT ANY LEAKS DISCLOSED BY THIS TEST. TANK WARRANTY THE TANK MANUFACTURER SHALL INCLUDE A WARRANTY ON ALL TANK MATERIALS AND WORKMANSHIP FOR A SPECIFIED PERIOD. THE WARRANTY SHALL PROVIDE ASSURANCE AGAINST DEFECTS IN</p>						

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			<p>MATERIAL, COATINGS AND WORKMANSHIP OF MAIN TANK AND ASSOCIATED FITTINGS FOR A PERIOD OF TEN (10) YEARS FOR NEW TANKS. GENERAL THE CONTRACTOR SHALL SUBMIT TECHNICAL OFFER WITH FULL DETAILED WORKING PROGRAM TO EXECUTE THIS JOB. THE CONTRACTOR MUST COMPLETE THE EXECUTION OF THE PROJECT WITH 6 MONTHS PERIOD. THIS WORK PLAN PROGRAM SHALL INCLUDE BUT NOT LIMITED TO THE FOLLOWINGS:</p> <p>O# MATERIAL SUBMITTAL O# INSTALLATION O# COMMISSIONING DATE O# SYSTEM HAND OVER DATE THE CONTRACTOR SHOULD SUBMIT THE FOLLOWING DOCUMENTS: O# EQUIPMENT/DEVICES SPECIFICATION SHEET O# FACTORY INSPECTION/TEST REPORT O# SITE APPROVED TEST REPORT O# APPROVED EQUIPMENT OPERATION AND MAINTENANCE MANUAL O# EQUIPMENT/DEVICES SPARE PART LIST (ALL SPARE PART LIST SHALL BE SUPPORTED BY DRAWINGS) O# WARRANTY</p>						



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			<p>CERTIFICATE FOR THE EQUIPMENT.COMPLETION #</p> <p>ENTIRE WORK TO BE COMPLETED WITHIN 05 MONTHS FROM DATE OFISSUANCE OF PODELAY IN COMPLETIO</p> <p>N - IF THE CONTRACTOR FAILS TO COMPLETE THE WORKS WITHIN THE TIME FOR COMPLETION. EMPLOYER SHALL BE ENTITLED TO A REDUCTION INTHE PO</p> <p>PRICE. THE REDUCTION SHALL BE 1.25 % PER WEEK SUBJECTED TOMAXIMUM 10% OF PO VALUESITE VISIT CAN BE ARRANGED ON ONLY ONE DAY FOR AL</p> <p>L INTERESTED VENDORS.FOR SITE VISIT AND PTW, CONTACT ENGR. SHERIEF HAMZA MOB: 0529219010.OTHER ENQUIRIES, CONTACT MR. VISHNU VIJAY,</p> <p>CONTACT :0432-21393/0509463644 OR MS. REEM HAMZA ALAMIRI CONTACT : 04-8892156/050-2272767</p>						

TOTAL AMOUNT IN WORDS:

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### SPECIAL NOTES / INSTRUCTIONS:

.For site visit and PTW, Contact Engr. Sherief Hamza Mob: 0529219010.Other enquiries, contact Mr. Vishnu Vijay, Ph: 043221393/050946

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

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3644 or Ms. Reem Hamza Alamiri Ph: 04-8892156/050-2272767

### **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.

**SUPPLIER'S REMARKS :**

**SUPPLIER'S SIGNATURE AND STAMP**