

## REQUEST FOR QUOTATION LOCAL PURCHASE SECTION

**RFQ NUMBER** : 2332503242  
**DATE** : 15.12.2025  
**REQ No** : 1032506032  
**REQ TITLE** : E-station CCST#6 cracked HP s  
**DELIVERY LOCATION** : 0011 - E STORES, JAPS  
**CLOSING DATE** : 19.12.2025  
**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>DETAILED SCOPE OF WORK: -SCOPE OF WORK:  STRUCTURAL ANALYSIS AND ROOT-CAUSE  INVESTIGATION FOR HEA240 BEAM FAILURE NEAR  PIPELINE AXIAL  MOVEMENT LIMITER SUPPORT1) OBJECTIVES*  ESTABLISH THE CURRENT CONDITION OF HEA 240  &amp; HEA 200 BEAMS ANDASSOCIATED STRUCTURAL  ELEMENTS  (COLUMNS, BRACING, DECKS, CONNECTIONS).  *  VERIFY ADEQUACY AGAINST APPLICABLE  STANDARDS AND CURRENT/FUTURESERVICE  LOADS (DEAD, LIVE,  CRANE, EQUIPMENT, PIPING, THERMAL,  WIND,SEISMIC).  * IDENTIFY FAILURES (DISTORTION,  CRACKING, EXCESSIVE DEFLECTION,  LOCALBUCKLING, COR  ROSION LOSS, CONNECTION FAILURE, FATIGUE)  AND DETERMINEROOT CAUSES.* DEVELOP  REMEDIAL RECOMMENDATIONS (REPAIR,  STRENGTHENING, REPLAC  EMENT,PROTECTION, MONITORING) WITH  PRIORITIZATION AND BUDGETARY ESTIMATES.*  PROVIDE STAMPED CALCULATIONS AND</p>	1	EA				

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			<p>DRAWINGS SUITABLE FOR REVIEW AND IMPLEMENTATION.2) APPLICABLE CODES &amp; REFERENCES* EN 1991 # ACTIONS ON STRUCTURES (DEAD, IMPOSED, WIND, THERMAL, CRANE; SEISMIC VIA EN 1998). * EN 1993 # DESIGN OF STEEL STRUCTURES (MEMBER, STABILITY, CONNECTIONS; FATIGUE PER EN 1993-1-9). * EN 10365 # HOT ROLLED STEEL SECTIONS (DIMENSIONS/PROPERTIES FOR HEA, HEB, HEM). * AWS D1.1 OR EN ISO 9606 # WELDING QUALIFICATION/ACCEPTANCE. * ISO 12944</p> <p>/ NACE # PROTECTIVE COATINGS AND CORROSION CATEGORIES.3) WORK PLAN &amp; TASKSPHASE A # PROJECT INITIATION &amp; DESKTOP STUDY* KICKOFF MEETING: OBJECTIVES, CONSTRAINTS, ACCESS, PERMITS, SAFETY.* DOCUMENT REVIEW: ORIGINAL DRAWINGS, MODIFICATIONS, MAINTENANCE LOGS, INCIDENT REPORTS, START DUTY CYCLES, VIBRATION/TEMPERATURE RECORDS, CORROSION</p>						

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			<p>REPORTS.* PRELIMINARY STRUCTURAL MODEL SETUP; IDENTIFY CRITICAL H EA 240LOCATIONS.PHASE B # FIELD INVESTIGATION &amp; CONDITION ASSESSMENT* GENERAL VISUAL INSPECTION: DEFLECTION, TWIST, BUCKLING, DENTS/ NOTCHES,CORROSION MAPPING, COATING FAILURES.* CONNECTION CHECKS: BOLT CONDITION/PRETENSION, HOLE OVALIZATION, WELDCONTINUITY/CRACKIN G, BASE PLATES, STIFFENERS.* DIMENSIONAL SURVEY: LASER SCAN/TOTAL STATION; FLANGE/WEB THICKNESS VIAUT WHERE ACCESSIBLE.* ENVIRONMENT AL &amp; LOAD DATA CAPTURE: OPERATINGTEMPERATURES/HUMIDITY/CHLORIDES ; ACTUAL LIVE LOADS (EQUIPMENT, PIPING,CRANE LOADS).* PHOTOLOG &amp; DEF ECT MAPPING WITH SEVERITY RANKING.PHASE C # LOAD IDENTIFICATION &amp; CALCULATION* DEAD LOADS (G): SELF-WEIGHT, DECKING/GRATING, CONCRET E INFILL (IFANY), FIREPROOFING/COATINGS, FIXED</p>						

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			EQUIPMENT SUPPORTS.* IMPOSED/LIVE LOADS (Q): PERSONNEL, MAINTENANCE, STORAGE, PIPECON TENTS, SCAFFOLD LOADS.* PIPELINE HANDLING LOADS.* THERMAL LOADS: EXPANSION/RESTRAINT FORCES DUE TO PROCESS HEAT;TEMPERATURE GRADIENT S.* WIND AND SEISMIC LOADS PER SITE DATA AND SELECTED CODE.* ACCIDENTAL LOADS (IF APPLICABLE): BLAST, IMPACT, DROPPED LOADS,CHEMICAL ATTACK.* LOAD COMBINATIONS (ULS/SLS) PER SELECTED CODE WITH PARTIAL ANDCOMBINATION FACTORS.* SERVICEABILITY CRITERIA: DEFLECTION LI MITS (E.G., L/250#L/360),VIBRATION LIMITS (PEAK ACCELERATION/VELOCITY), LOCAL DISTORTIONTOLERANCES.PHASE D # STRUCTURAL ANALYSIS & C APACITY CHECKS* UPDATE ANALYTICAL MODEL (2D/3D FRAME); INCLUDE CONNECTION STIFFNESS ASAPPROPRIATE.* MEMBER CHECKS (EN 1993-1-1): BEN DING, SHEAR, AXIAL,						

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			LATERAL-TORSIONALBUCKLING (LTB), LOCAL BUCKLING (SECTION CLASS).* CONSIDER CORROSION-REDUCED THICKNESS AND RESIDUAL STRESS.* CONNECTION CHECKS: BOLTED (BEARING, SHEAR, SLIP FOR HSFG), WELDED(FILLET/THROAT, FATIGUE PER EN 1993-1-9).* FATIGUE ASSESSMENT: STRESS RANGE SPECTRA AND CUMULATIVE DAMAGE(MINER#S RULE).* SERVICEABILITY: DEFLECTION, VIBRATION (NATURAL FREQUENCIES VSMAC HINERY FORCING).PHASE E # FAILURE IDENTIFICATION & ROOT-CAUSE ANALYSIS* CHARACTERIZE SYMPTOMS: TYPE, LOCATION, EXTENT, TIMELINE.* DEVELOP HYPOTHESES: OVERLOAD/ADDED LOADS, LTB FROM INADEQUATE BRACING,LOCAL BUCKLING, CONNECTION FAILURE, CORROSION LOSS/PITTING, FATIGUE FROMVIBRATION/CRANE IMPACT, THERMAL CYCLING, MISALIGNMENT/INSTALLATIONDEFECTS.* GATHER EVIDENCE: NDT RESULTS, DEFORMATION PATTERN						

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			<p>NS, CORROSION MEASUREMENTS, FRACTURE SURFACES, OPERATIONAL DATA.* DETERMINE ROOT CAUSES USING FAULT TREE ANALYSIS/FMEA AND ANALYTICAL MODEL WHAT-IF SCENARIOS.* RISK RANKING BY LIKELIHOOD VS CONSEQUENCE TO PRIORITIZE ACTIONS.PHASE F # RECOMMENDATIONS &amp; REHABILITATION</p> <p>OPTIONS* IMMEDIATE MAKE-SAFE: TEMPORARY SHORING/PROPS, LOAD RESTRICTIONS,INSTALL LATERAL RESTRAINTS, ADJUST OPERATIONS TO LIMIT VIBRATION UNTIL REPAIR.* SECTION RESTORATION AFTER CORROSION: WELDED COVER PLATES (FLANGE OR WEB), WEB DOUBLER PLATES, STIFFENERS AT HIGH SHEAR/BEARING ZONES, ENDPLATE/SEAT REINFORCEMENT AT SUPPORTS.* LTB MITIGATION: ADD CONTINUOUS LATERAL BRACING/TORSIONAL RESTRAINTS, REDUCE UNBRACED LENGTH, ADD SECONDARY BRACING MEMBERS.* CONNECTION UPGRADES: REPLACE CORRODED BOLTS; CONVERT TO</p>						

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			<p>PRELOADED(HSFG); QUA LIFIED WELD REPAIRS; ADD GUSSETS/HAUNCHES.* LOAD PATH IMPROVEMENTS: INSTALL TRANSFER BEAMS OR BEARING PLATES UNDERCONCENTRATED LOADS . * FATIGUE CONTROL: GRIND WELD TOES, TIG-DRESSING, SHOT-PEENING, IMPROVEDTAIL CATEGORY; ADD STIFFNESS/SUPPORTS OR DAMPERS TO REDUCE STRESSRANGES.* PROTECTIVE SYSTEMS: SURFACE PREPARATION (SA 2½), COATINGS PER ISO12944/NACE FOR C4#C5; CONSIDER CATHODIC PROTECTION; SEALING AGAINSTCONDENSATE/CHLORIDES.* REPLACEMENT: WHERE DAMAGE IS EXTENSIVE, REPLACE WITH HEAVIER SECTION(E.G., HEB/HEM 240) WITH REDESIGNED CONNECTIONS AND CHECKS.PHASE G # DELIVERABLES* TECHNICAL REPORT: METHODOLOGY, INSPECTION FINDINGS, NDT RECORDS, LOADINVEN TORY, CALCULATIONS, ANALYSIS MODELS, FAILURE/ROOT-CAUSE RESULTS,RISK MATRIX.*</p>						

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			STAMPED CALCULATION PACKAGE WITH DESIGN CHECKS.* REPAIR/STRENGTHENING DRAWINGS (GA & DETAILS) IN DWG/PDF.* BILL OF QUANTITIES AND BUDGETARY ESTIMATE.* CONSTRUCTION METHOD STATEMENTS (WELDING, BOLTING, COATING, QA/QC, HOLDPOINTS).* MONITORING PLAN AND INSPECTION CHECKLIST.4) SCHEDULE* DESKTOP STUDY, PLANNING, ACCESS & SAFETY APPROVALS.* FIELD INSPECTIONS, NDT (IF REQUIRED), SURVEY, DATA CAPTURE.* LOAD CALCULATIONS, MODELING, PRELIMINARY FINDINGS.* ROOT-CAUSE ANALYSIS & REMEDIATION OPTIONS.* FINAL REPORT, DRAWINGS, REVIEW MEETING.5) ACCEPTANCE CRITERIA* COMPLIANCE WITH SELECTED CODES UNDER CURRENT/FUTURE LOAD CASES.* DOCUMENTED ROOT CAUSES WITH EVIDENCE.* PRACTICAL, SAFE, COST REMEDIATION WITH MINIMAL OPERATIONAL DISRUPTION.* POST-REPAIR VERIFICATION						



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			PLAN IMPLEMENTED.FOR ORDER EXECUTION, PHOTOS AND TECHNICAL QUERY CONTACT:-1) SAIF ALQAT TAN 0501520553- SAIF.ALQATTAN@DEWA.GOV.AE2) FAISAL ALREMEITHI 0504646417 - FAISAL.ALREMEITHI@DEWA.GOV.AE3) MAHMOOD MOHAMMAD 05042314 13 - MAHMOOD.MOHAMMAD@DEWA.GOV.AE4) KRUNAL BHATT 0529515297 - KRUNAL.BHATT@DEWA.GOV.AE						

TOTAL AMOUNT IN WORDS:

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### SPECIAL NOTES / INSTRUCTIONS:

E-station CCST6 cracked HP steam header beam replacement. For photos,  
order execution and technical query contact:-

- 1) Saif AlQattan 0501520553- saif.alqattan@dewa.gov.ae
- 2) FAISAL ALREMEITHI 0504646417 - FAISAL.ALREMEITHI@DEWA.GOV.AE
- 3) MAHMOOD MOHAMMAD 0504231413 - mahmood.mohammad@dewa.gov.ae

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4) Krunal Bhatt 0529515297 - krunal.bhatt@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.
  - 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 SIGNATURE AND STAMP**