

**RFQ NUMBER** : 2332502087

**DATE** : 18.08.2025

**REQ No** : 1032503960

REQ TITLE : Hatta PH1 Dn300 Needle Valve

**DELIVERY LOCATION** 

**CLOSING DATE** : 29.08.2025

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
1		ITEM-00001	COMPLETE OVERHAULING & COATING OF NEEDLE	1	SET				
			VALVE DN300 PN16 (VAG) FORHATTA PH1 PUMPING						
			STATION.PLEASE CONTACT MR. DHRUBA						
			(04-3229450)						
			// DHRUBA.BANERJEE@DEWA.GOV.AEFOR						
			FURTHER CLARIFICATIONS.1.0#SCOPE OF						
			WORKTHIS NEEDLE VALVE IS NOT WORKING						
			PROPERLY FOR WHICH DEWA I						
			NTENDED TOOUTSOURCE THE REPAIRING JOB IN						
			LOCAL REPUTED CONTRACTOR.#DETAILS OF THE						
			NEEDLE VALVE: #MAKE: ###VAG-#NOMINAL						
			DIAMETER: #DN						
			300-#PRESSURE RATING:#PN16#SCOPE OF						
			WORKSA.#COMPLETE DISMANTLE OF THE VALVE						
			ASSEMBLY. REMOVAL OF THE STUCK SHAFTFROM						
			THE CYLINDER. R						
			EPAIRING OF THE SHAFT ON THE KEY WAY PLACES						
			ANDMANUFACTURING OF NEW KEYS						
			(SS316L).B.#REPLACEMENT OF THE ALL DEFECTIVE						
			SPARES LIKE-O-						
			RINGS, RETAININGRINGS ETC.C.#REPLACEMENT						
			OF DEFECTIVE SHAFT SLEEVE AND PISTON PIN (AS						
			PERDISMANTLED SAMPLE)D.#AFTER REPAIRING,						



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			COMPL						
			ETE ASSEMBLY MUST BE DONE WITH						
			SYNCHRONIZATIONOF THE GEAR BOX TO THE						
			SHAFT SO AS TO VERIFY THE SMOOTH ROTATION						
			OF THESHAFT WITH CYLI						
			NDER.E.#FUNCTIONAL TEST OF THE NEEDLE						
			VALVE TO THE CONTRACTOR						
			PREMISES.F.#OPERATIONAL TEST OF THE NEEDLE						
			VALVE WITH ACTUATOR INSTALL						
			ED AT DEWAPIPELINE.2.0#PRIOR TO SUBMISSION						
			OF QUOTATION, THE FOLLOWING SHALL BE						
			DETERMINEDCAREFULLY:A.#THE CONTRACTOR						
			SHALL VISIT TH						
			E SITE AND MAKE HIMSELF FULLY FAMILIARWITH						
			THE WORK SCOPES, COMPLEXITIES, ETC., BEFORE						
			SUBMITTING THEQUOTATION.B.#DEWA WILL NOT						
			ACCE						
			PT ANY CLAIM FOR EXTRAS BEYOND THE ORDER						
			RATES /PRICES DURING AND AFTER THE						
			EXECUTION OF WORK ORDERED.C.# THE						
			CONTRACTOR SHOULD SUBM						
			IT THE TIME SCHEDULE /BAR CHARTINDICATING						
			EACH ACTIVITY.D.#ON COMPLETION OF THE WORK,						



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			THE INSPECTION CHECKLIST OF						
			QUALITYPROCEDURES,						
			WHEREVER APPLICABLE SHOULD BE FILLED IN						
			AND SUBMITTED.4.0#TAKE OVERON COMPLETION						
			OF ALL WORK WITHIN THE SCOPE OF THE						
			CONTRACT, FORA						
			CCEPTANCE OF THE MAINTENANCE WORK,						
			CONTRACTOR SHALL NOTIFY DEWA INWRITING. A						
			CERTIFICATE OF COMPLETION WILL BE ISSUED BY						
			DEWA ON FIN						
			ALINSPECTION ONLY WHEN THE CONTRACT WORK						
			IS DEEMED TO HAVE BEEN TAKEN OVERBY DEWA						
			AFTER NECESSARY CONDITION MONITORING						
			CHECKS WHEREV						
			ER & WHENEVERREQUIRED.5.0#WARRANTYA.#ALL						
			THE WORK CARRIED OUT SHALL CARRY A						
			WARRANTY FOR 8000 HOURS OFOPERATION OR 1						
			YEAR WHICHEVER						
			IS EARLIER.B.#THE GUARANTEE WILL TAKE						
			EFFECT FROM THE DATE OF TAKEOVER BY DEWA						
			OFTHE JOB CARRIED OUT BY THE						
			CONTRACTOR.C.#WHEN A DEF						
			ECT IS NOTICED DURING THE PERIOD OF						



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			WARRANTY, THECONTRACTOR MUST RECTIFY THE						
			DEFECT WITHIN A REASONABLE AMOUNT OF						
			TIMEFIXED BY DEWA						
			WITH NO CLAIM OR						
			COMPENSATION.6.0#DOCUMENTS:#ON						
			SATISFACTORY COMPLETION OF THE WORK &						
			HANDING OVER, THE CONTRACTORSHOULD						
			SUBMIT THE						
			FOLLOWING TO DEWA.						
			##A.#INSPECTION REPORT.B.#REPAIR/ACTION						
			REPORT.C.#METHOD STATEMENT OF THE						
			REPAIRING WORK						
			S.D.#PHOTOS OF PARTS OF THE HYDRAULIC						
			CYLINDER BEFORE/AFTER REPAIRING.E.#ALL TEST						
			REPORTS.SPECIFICATION FOR INTERNAL COATING						
			OF VAL						
			VEGENERAL THESE VALVES ARE USED IN						
			WATER BOOSTER PUMPING STATIONS. THE						
			FLUIDHANDLED BY THESE PUMPS/VALVES IS						
			POTABLE WATER OF M						
			AXIMUM TEMPERATURE UPTO 50 0C. NORMALLY						
			THE WATER IS CLEAN BUT SOME TIME IT IS						
			NOTICED TOHAVE SAND AND SOLIDS IN STREAM						



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			FROM PIPELIN						
			E.1#2#SCOPE OF WORK3#4#COLLECTION &						
			TRANSPORTATIONTHE CONTRACTOR SHALL						
			COLLECT THE NEEDLE VALVE THROUGH						
			SUITABLEPICKUP/CRANE MOUNTED						
			TRUCK FROM EMS WORKSHOP AT AWEER. THE						
			CONTRACTORPICKUP SHALL HAVE SUITABLE AND						
			SAFE LIFTING SLING/BELT OF SUFFICIENTLOAD						
			CAPACITY.						
			LOADING AND UNLOADING OF THE NEEDLE VALVE						
			TO BE CARRIEDOUT BY						
			CONTRACTOR.4.1#SURFACE						
			PREPARATIONBEFORE APPLYING ANY COATING,						
			THE CO						
			NTRACTOR HAS TO DO NECESSARY						
			SURFACEPREPARATION BY SAND OR GRIT						
			BLASTING OR ANY OTHER SUITABLE						
			MECHANICALSYSTEM TO REMOVE ALL RUST &						
			LOOSE MATERIALS. AFTER SAND BLASTING						
			THECONTRACTOR HAS TO INTIMATE DEWA						
			ENGINEER FOR INSPECTION OF THE						
			SURFACEBEFORE APPLYING ANY C						
			OATING. DURING SANDBLASTING IT IS REQUIRED						



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			TOPROTECT ALL MACHINED SURFACE, SEAT AREA						
			AND ALL OTHER CRITICAL AREAS ANDPARTS FROM						
			DAMA						
			GE BY SUITABLE METHOD.BUILDUP/ FILLING OF						
			ERRODED/PITTED SURFACE THE SUPPLIER						
			HAS TO BUILDUP ERODED SURFACE BY SUITABLE						
			COMPO						
			SITEMATERIALS UP TO ORIGINAL LEVEL BEFORE						
			APPLYING ANY COATING. THECOMPOSITE						
			MATERIAL SHALL HAVE THE FOLLOWING						
			PROPERTIES: #THE CURR						
			IED COMPOSITE MUST BE SUITABLE FOR						
			CONTINUOUS IMMERSION INTHE FOLLOWING						
			CHEMICALS AT 21 0C (70 0F): FERRIC CHLORIDE,						
			10%HYDROCHLORIC						
			ACID, 10% SULFURIC ACID, 5% NITRIC ACID, 50%						
			SODIUMHYDROXIDE AND 28% AMMONIUM						
			HYDROXIDE. #THE COMPOSITE SHALL SHOW NO						
			BLISTERS WHEN						
			EXPOSED TO DE-MINERALIZEDWATER IN AN ASTM						
			C 868 CORROSION TEST AT 43 0C (110 0 F) FOR A						
			MINIMUMPERIOD OF 6 MONTHS#ADHESION OF						
			THE						



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SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			COMPOSITE PER ASTM D1002 SHALL BE GREATER						
			THAN 183KG/CM2 (2,600 PSI)·#THE CURVED						
			COMPOSITE MUST MEET OR EXCEED THE						
			FOLLOWING PHYSIC						
			ALREQUIREMENTS:COMPRESSIVE STRENGTH						
			(ASTM D 695) 914 KG/CM2 (13,000 PSI).TENSILE						
			STRENGTH (ASTM D 638) 431 KG/CM2 (6,136						
			PSI)FLEXUR						
			AL STRENGTH (ASTM D 790) 620 KG/CM2 (8,800						
			PSI)FLEXURAL MODULUS (ASTM D 790) 6.9 X 104						
			KG/CM2 (9.87 X 105PSI).DURING THE PHASES O						
			F SURFACE PREPARATION, APPLICATION, AND						
			CURING, ENVIRONMENTAL CONDITIONS WILL						
			REQUIRE CAREFUL MONITORING AND MAY						
			REQUIRESUPPLEMENTAL						
			CONTROLS. CRITICAL AREAS OF CONCERN ARE						
			RELATIVE HUMIDITY, DEW POINT, SURFACE						
			TEMPERATURE OF THE SUBSTRATE, AND AIR						
			PURITY.CONTRACTOR						
			SHALL CARRYOUT ALL THE PROCEDURES IN A						
			CONTROLLED ENVIRONMENTIN ACCORDANCE						
			WITH THE LATEST STANDARDS AND						
			PROCEDURES.FINAL INTERNAL						



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			COATINGAFTER SURFACE PREPARATION AND						
			FILLING UP THE ERODED SURFACE IT ISREQUIRED						
			TO APPLY THE CERAMIC REINFORCED COMPOSITE						
			MATERIALS						
			FOR FINALCOATING. THE COMPOSITE COATING						
			MATERIALS SHALL HAVE						
			FOLLOWINGPROPERTIES: #THE CURED						
			COMPOSITE MUST BE SUITABLE FOR CONTINU						
			OUS IMMERSION IN THEFOLLOWING CHEMICALS						
			AT 210C(700F): FERRIC CHLORIDE, 10%						
			HYDROCHLORICACID, 10% SULFURIC ACID, 5%						
			NITRIC ACID, 50%						
			SODIUM HYDROXIDE AND 28%AMMONIUM						
			HYDROXIDE. #THE COMPOSITE MUST EXCEED						
			10,000 HRS IN AN ASTM B 117 SALT FOG						
			TEST(SCORED) WITH NO SI						
			GNS OF UNDER FILM CORROSION AT THE						
			SCORE. #THE COMPOSITE MUST PASS ASTM G 8						
			CATHODIC DISBANDMENT TEST FOR NOTLESS						
			THAN 60 DAYS#THE						
			COMPOSITE SHALL SHOW NO BLISTERS WHEN						
			EXPOSED TO DEMINERALIZEDWATER IN AN ASTM						
			C 868 CORROCELL TEST AT 430C (1100F) FOR A						



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			MINIMUMPE						
			RIOD OF 6 MONTHS. #ADHESION OF THE						
			COMPOSITE PER ASTM D 4541 SHALL BE GREATER						
			THAN 140KG/CM2 (2,000 PSI). #THE LINEAR						
			CO-EFFICIENT O						
			F THERMAL EXPANSION (ASTM C 531) SHALL						
			NOTEXCEED 5.0 X 10-5 CM/CM/0C (2.8 X 10-5						
			IN/IN/0F)·#THICKNESS OF COATING 800-1000						
			MICRONS.·#						
			SURFACE FINISHING OF THE COATING SHALL BE						
			SMOOTH GLASS SURFACEFINISHED AND						
			ABRASION RESISTANT#THE CURED COMPOSITE						
			MUST MEET OR EXC						
			EED THE FOLLOWING PHYSICALREQUIREMENTS:						
			COMPRESSIVE STRENGTH: (ASTM D 695) 844						
			KG/CM2 (12,000 PSI)TENSILE STRENGTH: (AS						
			TM D 638) 240 KG/CM2 (3,420 PSI)FLEXURAL						
			STRENGTH: (ASTM D 790) 562 KG/CM2						
			(8,000PSI)-#THE COMPOSITE SHALL BE						
			AUTHORIZED FOR USDA						
			APPLICATION FOR INCIDENTALFOOD						
			CONTACT#THE COMPOSITE IS REQUIRED TO						
			HAVE POTABLE WATER CERTIFICATION						



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			FROMINTERNATIONAL/LOCAL AUTHO						
			RITIES, WRAS (WATER REGULATORY						
			ADVISORYSOCIETY).EXTERNAL COATING						
			EPOXY POWDER COATING IN BLUE COLOUR AT						
			LEAST 300-400 MICRON						
			THICK FOR THE VALVES. ALL NECESSARY						
			SURFACES PREPARATIONS TO BE DONEBEFORE						
			COATING.WARRANTY THE SUPPLIER HAS TO						
			PROVIDE AT L						
			EAST 24 MONTHS OF SERVICEWARRANTY AGAINST						
			ANY DAMAGE/ DEFECTS FOR THE COATING. IF THE						
			COATING ISFOUND TO FAIL WITHIN THIS PERIOD						
			THE						
			SUPPLIER HAS TO RECOAT THEEQUIPMENT AT						
			FREE OF CHARGE TO DEWA.METHOD						
			STATEMENTTHE SUPPLIER HAS TO PROVIDE						
			METHOD STATEMENT OF COATI						
			NG AND MATERIALDETAILS ALONG WITH THEIR						
			OFFER FOR TECHNICAL EVALUATION AND						
			APPROVAL.INSPECTION AT SITEBEFORE DELIVERY						
			OF COATED VALV						
			ES, THE COATING WORKS TO BE INSPECTED						
			BYDEWA ENGINEER AT SUPPLIER WORKSHOP FOR						



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			FINAL ACCEPTANCE. CONTRACTORSHALL PROVIDE WITH ALL R EQUIRED NECESSARY INSPECTION TOOLS AS REQUIREDON SITE.REPORTS & DOCUMENTS DURING DELIVERY THE FOLLOWING DOCUMENTS TO BE SU BMITTED.1.#MATERIAL DATA SHEET.2.#PHOTO OF NEEDLE VALVE BEFORE AND AFTER COAT						
2		ITEM-00001	REPAIRING & INSTALLATION OF SEAT RING OF NEEDLE VALVE DN300 PN16 (VAG)FOR MUSHRIF PUMPING STATION.SCOPE OF WORKS:1. REPAIRING & INST ALLATION OF SEAT RING (RUBBER)2. ASSEMBLY WITH OVERHAULED NEEDLE VALVE & TESTINGCONTACT MR. DHRUBA FOR FURTHER CLARIFICATIONS:04-322 9450DHRUBA.BANERJEE@DEWA.GOV.AEFOR MORE INFORMATION AND DETAILS PLEASE CONTACT: SUHAIL.ALABLAMSUHAIL.ALABLAM@DEWA.GOV.AE 043220303	1	SET				
3		ITEM-00001	REPAIRING & INSTALLATION OF BRONZE PLATE GUIDE RAIL OF NEEDLE VALVEDN300 PN16 (VAG)	1	SET				



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			FORHATTA PH1 PUMPING STATION.SCOPE OF WORKS:1. R EPAIRING & INSTALLATION OF BRONZE PLATE GUIDE RAIL2. ASSEMBLY WITH OVERHAULED NEEDLE VALVE & TESTINGCONTACT MD DHRUBA FOR FURTHER EX PLANATION04-3229450DHRUBA.BANERJEE@DEWA.GOV.AE						
4		ITEM-00001	REPAIRING & INSTALLATION OF SS CONNECTING PIN WITH LOCK NUT & WASHER OFNEEDLE VALVE DN300 PN16 (VAG) FORHATTA PH1 PUMPING STATION.PL EASE CONTACT MR. DHRUBA (04-3229450) FOR FURTHER CLARIFICATIONS.SCOPE OF WORKS:1. REPAIRING & INSTALLATION OF SS CONNECTING PIN WITH LOCK NUT & WASHER2. ASSEMBLY WITH OVERHAULED NEEDLE VALVE & TESTING	1	SET				
5		ITEM-00001	REPAIRING & INSTALLATION OF CONNECTING PIN BRONZE BUSH OF NEEDLE VALVEDN300 PN16 (VAG) FORHATTA PH1 PUMPING STATION.PLEASE CONTACT M R. DHRUBA (04-3229450) FOR FURTHER	1	SET				



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CLOSING TIME : 10:00:00

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			CLARIFICATIONS.SCOPE OF WORKS:1. REPAIRING & INSTALLATION OF SS CONNECTING PIN BRONZE BUSH WASHER 2. ASSEMBLY WITH OVERHAULED NEEDLE VALVE & TESTING						
6		ITEM-00001	REPAIRING & INSTALLATION OF DRIVE SHAFT BRONZE BUSH OF NEEDLE VALVEDN300 PN16 (VAG) FORHATTA PH1 PUMPING STATION.PLEASE CONTACT MR. DHRUBA (04-3229450) FOR FURTHER CLARIFICATIONS.SCOPE OF WORKS:1. REPAIRING & INSTALLATION OF DRIVE SHAFT BRONZE BUSH2. ASSEMBLY WITH OVERHAULED NEEDLE VALVE & TESTING	1	SET				

TOTAL AMOUNT IN WORDS: TOTAL AMOUNT:

#### **SPECIAL NOTES / INSTRUCTIONS:**

Hatta PH1 Dn300 Needle Valve Complete overhauling for more information and details please contact: suhail.alablam



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CLOSING TIME : 10:00:00

suhail.alablam@dewa.gov.ae 043220303

#### **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.

SI	<b>UPP</b>	LIER'S	REMA	ARKS	:
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SUPPLIER'S SIGNATURE AND STAMP