

### **RFQ NUMBER** : 2332300318

: 31.01.2023

REQ No

DATE

**REQ TITLE** 

: Complete overhauling of Produ

: 1032300316

DELIVERY LOCATION

CLOSING DATE : 08.02.2023

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
1		ITEM-00001	COMPLETE OVERHAULING OF HP PUMP OF AL YASSAT ISLAND RO PLANTS HP PUMP DETAILS: SULZER (FINLAND, MODEL: MBN25-180/12 SL. NO. 10010869 9 POWER: 110KW CAPACITY:25.2 HEAD: 666.7M/ 65BAR RPM:3513 PLEASE CONTACT MR. NOOR (04-3229439) FOR FURTHER CLARIFICATIONS. 1.0#SCO PE OF WORK THE SCOPE OF WORK (MANDATORY & OPTIONAL) FOR THE OVERHAUL OF BOOSTER PUMPS AND THEIR ACCESSORIES OF BOOSTER PUMPING STAT ION. # A)#THE CONTRACTOR HAS TO TAKE THE PUMP ASSEMBLY FROM DEWA SITE TO THEIR WORKSHOP & VICE VERSA. DEWA SHALL NOT PROVIDE ANY TR ANSPORT TO SHIFT THE SAME. FOR LOADING & UNLOADING CONTRACTOR CAN USE DEWA OVERHEAD CRANE AVAILABLE AT PUMPING STATIONS IN COORDINA TION WITH THE DEWA REPRESENTATIVES. B)#MECHANICAL SEAL REPLACEMENT, COUPLING BUSH RENEWAL & GLAND PACKING RENEWAL,	1	EA				



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			BEARING REPLACEME NT AS REQUIRED. C)#OVERHAULING OF PUMP (SEE ANNEXURE I-MANDATORY & II-OPTIONAL) D)#PAINTING OF PUMP EXTERNALLY E)#RECTIFICATION OF T HE PUMP FOR ANY COMPLAINT ROSE AFTER INSTALLATION. F)#IF ANY PART IS FOUND DEFECTIVE, THE CONTRACTOR HAS TO REPAIR/REPLACE THE SAME. AVAILABLE SPARE SHALL BE SUPPLIED BY DEWA. IF ANY SPARE IS NOT AVAILABLE WITH DEWA THE CONTRACTOR HAS TO ARRANGE THE SAME. ADDITION AL COST OF SPARE TO BE SUBMITTED TO DEWA FOR APPROVAL BEFORE PLACING THE ORDER. 2.0#PRIOR TO SUBMISSION OF QUOTATION, THE FOLLOWI NG SHALL BE DETERMINED CAREFULLY: A)#THE CONTRACTOR SHALL VISIT THE SITE AND MAKE HIMSELF FULLY FAMILIAR WITH THE WORK SCOPE, PLANT ACCESS FACILITIES, COMPLEXITIES, ETC., BEFORE SUBMITTING THE QUOTATION. B)#DEWA						



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			WILL NOT ACCEPT ANY CLAIM FOR EXTRAS						
			BEYOND THE OR						
			DER RATES / PRICES DURING AND AFTER THE						
			EXECUTION OF WORK ORDERED. C)#THE						
			CONTRACTOR WILL BE PROVIDED WITH THE						
			EQUIPMENT SHUTDOWN P						
			ROGRAM IN COORDINATION WITH OPERATION &						
			MAINTENANCE DEPARTMENT OF WATER DIVISION.						
			D)# THE CONTRACTOR SHOULD SUBMIT THE TIME						
			E /BAR CHART INDICATING EACH ACTIVITY. E)#ON						
			COMPLETION OF THE WORK, THE INSPECTION						
			CHECKLIST OF QUALITY PROCEDURES, WHEREVER APPLI						
			CABLE SHOULD BE FILLED IN AND SUBMITTED.						
			F)#SITE SUPERVISION, CO-ORDINATION OF FIELD						
			ACTIVITIES, SUPPLY OF REQUIRED TECHNICIANS,						
			TO						
			OLS, EQUIPMENTS, TACKLES ETC. REQUIRED FOR						
			EXECUTION OF THE CONTRACT WORKS SHALL BE						
			SUITABLY CONSIDERED. 4.0#TAKE OVER ON						
			COMP						
			LETION OF ALL WORK WITHIN THE SCOPE OF THE						



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			CONTRACT, FOR ACCEPTANCE OF THE						
			MAINTENANCE WORK, CONTRACTOR SHALL						
			NOTIFY DEWA IN WRITING						
			. A CERTIFICATE OF COMPLETION WILL BE ISSUED						
			BY DEWA ON FINAL INSPECTION ONLY WHEN THE						
			CONTRACT WORK IS DEEMED TO HAVE BEEN						
			TAKEN OV						
			ER BY DEWA AFTER NECESSARY CONDITION						
			MONITORING CHECKS WHEREVER & WHENEVER						
			REQUIRED. 5.0#WARRANTY A)#ALL THE WORK						
			CARRIED OUT SH						
			ALL CARRY A WARRANTY FOR 8000 HOURS OF						
			OPERATION OR 1 YEAR WHICHEVER IS EARLIER.						
			B)#THE GUARANTEE WILL TAKE EFFECT FROM THE						
			TAKEOVER BY DEWA OF THE JOB CARRIED OUT						
			BY THE CONTRACTOR. C)#WHEN A DEFECT IS						
			NOTICED DURING THE PERIOD OF WARRANTY, THE CONTRACT						
			OR MUST RECTIFY THE DEFECT WITHIN A						
			REASONABLE AMOUNT OF TIME FIXED BY DEWA						
			WITH NO CLAIM OR COMPENSATION.						
			6.0#DOCUMENTS: # ON SAT						



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			ISFACTORY COMPLETION OF THE WORK & HANDING OVER, THE CONTRACTOR SHOULD SUBMIT THE FOLLOWING TO DEWA. ## A) #INSPECTION REPORT. B)#OVERHAUL REPORT. C)#JOB COMPLETION REPORT FOR JOBS OTHER THAN ROUTINE INSPECTION & OVERHAULS D)##AS-FITTED# BILL OF MATERIALS FOR CONSUMPTION OF SPARES E)#REQUISITION FOR PLANNING OF SPARES E)#REQUISITION FOR PLANNING OF SPARES BY DEWA BASED ON CURRENT CONDITION OF THE EQUIPM ENT FOR WHICH MAINTENANCE WORK WAS TAKEN UP. ANNEXURE # I DETAIL SCOPE OF WORK (MANDATORY) FOR OVERHAUL THE BOOSTER PUMP OF P UMPING STATION SL.NO#ACTIVITY#REMARKS# 01#DISMANTLING OF THE PUMP#DISMANTLING OF THE PUMP AS PER DEWA ENGINEER#S INSTRUCTION# ##P UMP SHALL BE REMOVED AS PER SEQUENCE WITH SKILLED WORKMANSHIP & CARE.#						PRICE
			02#OVERHAULING OF PUMP#THE CONTRACTOR						



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			SHALL DISMANTLE THE COM PLETE ROTATING ASSEMBLY AT THEIR WORKSHOP AND RECORD ALL FINDINGS IN A TRACK SHEET WITH PHOTOGRAPHS OF DETERIORATED COMPONENTS.# ##T HE CONTRACTOR HAS TO CHECK FOR SHAFT STRAIGHTNESS AND IDENTIFY WORN-OUT AREAS IF ANY. RECONDITIONING OF THE SHAFT SHALL BE CARRIED O UT IN COMPLIANCE WITH THE LATEST STANDARDS & PROCEDURES.# ##THE CONTRACTOR HAS TO CHECK THE IMPELLER THOROUGHLY FOR ANY RECONDITIONI NG REQUIRED. # ##BEARING CONDITION TO BE CHECKED & REPLACE THE BEARINGS IF REQUIRED. # ##MECHANICAL SEAL / GLAND SLEEVE CONDITION TO BE CHECKED & TO BE REPLACED IF REQUIRED.# ##WEAR RINGS DIMENSIONS TO BE CHECKED FOR CLEARANCE & TO BE REPLACED IF REQUIRED.# ##IF A						PRICE
			NY PART IS FOUND DEFECTIVE, THE CONTRACTOR HAS TO REPAIR/REPLACE THE SAME. AVAILABLE						



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			SPARE SHALL BE SUPPLIED BY DEWA. IF ANY						
			SPARE I						
			S NOT AVAILABLE WITH DEWA THE CONTRACTOR						
			HAS TO ARRANGE THE SAME. ADDITIONAL COST						
			OF SPARE TO BE SUBMITTED TO DEWA FOR						
			APPROVAL BEFO						
			RE PLACING THE ORDER.# ##PUMP CASING SHALL						
			BE CLEANED & INSPECTED FOR ANY DAMAGES. IF						
			REQUIRED DAMAGE SURFACE TO BE REQUIRED BY						
			SAND						
			BLASTING & COATING WITH FOOD GRADE EPOXY.#						
			03#ASSEMBLY OF THE EQUIPMENT#ASSEMBLY OF						
			THE EQUIPMENT TO BE CARRIED OUT AS PER						
			STANDARD						
			PROCEDURE & MAINTAIN THE FIT & CLEARANCE AS						
			PER MANUAL. # ##DYNAMICALLY BALANCE THE						
			ROTOR ASSEMBLY AS PER ISO1940/1 BALANCE						
			GRADE G 2.5/G1.0 WHEREVER POSSIBLE OR						
			CHECK THE BALANCING OF THE INDIVIDUAL						
			ITEMS.# ##PREPARE THE RECORD FOR THE						
			ACTIVITIES CARRIED						
			OUT.# ##DEVIATION TO THE SET #VALUES# SHALL						



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			BE DECIDED BY DEWA. # ANNEXURE # II						
			DETAIL SCOPE FOR MACHINING WORKS (OPTIO						
			NAL) SL.NO#ACTIVITY#REMARKS# 01#IMPELLER						
			MACHINING WORKS#IMPELLER GRIT BLASTING &						
			NDT TO FIND OUT ANY CRACKS EXIST#						
			##IMPELLER SKIM						
			MING ON BOTH SIDES OF WEAR RING AREAS & FIX						
			NEW RING AND SECURE# 02#SHAFT MACHINING						
			WORKS#SHAFT CHROME PLATING ON BEARING						
			SEATING AR						
			EAS & MACHINING# ##SHAFT CHROME PLATING ON						
			MECHANICAL SEAL SEATING AREAS & MACHINING#						
			##SHAFT WORN OUT PLACE METAL REBUILDING &						
			MACH						
			INING# ##SHAFT BEND STRAIGHTENING UP TO						
			(4THOU) MAXIMUM BEND# 03#BEARING HOUSING						
			MACHINING WORKS#DE BEARING HOUSING BORE						
			MACHINING &						
			RESLEEVING # ##NDE BEARING HOUSING BORE						
			MACHINING & RESLEEVING # 04#MECHANICAL						
			SEAL FACE#MACHINING AND REPAIRING OF PUMP						
			TOP AND						
			BOTTOM CASINGS HALVES ON MECHANICAL SEAL						



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			FACE# 05#PUMP CASINGS#SKIMMING AND						
			GROOVING OF BOTH SUCTION AND DISCHARGE						
			FLANGES ON PUMP C						
			ASING# 06#CONSUMABLE ACCESSORIES &						
			FITTINGS#MANUFACTURING OF MECHANICAL SEAL						
			COOLING PIPE-FITTINGS, SHAFT LOCK NUT, LOCK						
			WASHER AND						
			RETAINING RING, DOWELL PINS, BEARING SPACER,						
			HOLDING DOWN BOLTS AND BEARING HOUSING						
			GASKETS ETC. SUPPLY OF ALL TYPES OF						
			#IMPELLER WEAR RINGS#MACHINING OF IMPELLER						
			WEAR RINGS(SUPPLIED) TO FIX/SUIT WITH PUMP						
			CASE WEAR RING & CASING# 08#CASE WEAR RINGS#MA						
			CHINING OF CASE WEAR RINGS (SUPPLIED) TO						
			CASING# 7.0#MACHINING WORKS: ALL THE						
			MACHINING W						
			ORKS SHALL BE CARRIED OUT IN COMPLIANCE						
			WITH THE LATEST STANDARDS & PROCEDURES.						
			PRIOR APPROVAL SHALL BE TAKEN FROM DEWA						
			ENGINEER, BE						



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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
			FORE CARRYING OUT ANY KIND OF MACHINING WORKS.						
2		ITEM-00002	COMPLETE OVERHAULING OF BACKWASH PUMP (AL YASSAT RO PLANT). PUMP DETAILS: SULZER (FINLAND, MODEL: A31-125 SL. NO. 100108696 POWER: 297M3/HR CAPACITY:25.2 HEAD: 13.5M PLEASE CONTACT MR. NOOR (04-3229439) FOR FURTHER CLARIFICATIONS. 1.0#SCOPE OF WORK THE SCOPE OF WORK (MANDATORY & OPTIONAL) FOR THE OVERHAUL OF BOOSTER PUMPS AND THEIR ACCESSORIES OF BOOSTER PUMPING STATION. # A)#THE CONTRACTO R HAS TO TAKE THE PUMP ASSEMBLY FROM DEWA SITE TO THEIR WORKSHOP & VICE VERSA. DEWA SHALL NOT PROVIDE ANY TRANSPORT TO SHIFT THE SAM E. FOR LOADING & UNLOADING CONTRACTOR CAN USE DEWA OVERHEAD CRANE AVAILABLE AT PUMPING STATIONS IN COORDINATION WITH THE DEWA REPRE SENTATIVES. B)#MECHANICAL SEAL	1	EA				

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



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			REPLACEMENT, COUPLING BUSH RENEWAL & GLAND PACKING RENEWAL, BEARING REPLACEMENT AS REQUIRED. C)#OVERH AULING OF PUMP (SEE ANNEXURE I-MANDATORY & II-OPTIONAL) D)#PAINTING OF PUMP EXTERNALLY E)#RECTIFICATION OF THE PUMP FOR ANY COMPLAIN T ROSE AFTER INSTALLATION. F)#IF ANY PART IS FOUND DEFECTIVE, THE CONTRACTOR HAS TO REPAIR/REPLACE THE SAME. AVAILABLE SPARE SHALL B E SUPPLIED BY DEWA. IF ANY SPARE IS NOT AVAILABLE WITH DEWA THE CONTRACTOR HAS TO ARRANGE THE SAME. ADDITIONAL COST OF SPARE TO BE S UBMITTED TO DEWA FOR APPROVAL BEFORE PLACING THE ORDER. 2.0#PRIOR TO SUBMISSION OF QUOTATION, THE FOLLOWING SHALL BE DETERMINED C AREFULLY: A)#THE CONTRACTOR SHALL VISIT THE SITE AND MAKE HIMSELF FULLY FAMILIAR WITH THE WORK SCOPE, PLANT ACCESS FACILITIES, COMP						



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SL NO	ITEM CODE	SERVICE ID	DESCRIPTION LEXITIES, ETC., BEFORE SUBMITTING THE QUOTATION. B)#DEWA WILL NOT ACCEPT ANY CLAIM FOR EXTRAS BEYOND THE ORDER RATES / PRICES DURIN G AND AFTER THE EXECUTION OF WORK ORDERED. C)#THE CONTRACTOR WILL BE PROVIDED WITH THE EQUIPMENT SHUTDOWN PROGRAM IN COORDINATION W ITH OPERATION & MAINTENANCE DEPARTMENT OF WATER DIVISION. D)# THE CONTRACTOR SHOULD SUBMIT THE TIME SCHEDULE /BAR CHART INDICATING EACH ACTIVITY. E)#ON COMPLETION OF THE WORK, THE INSPECTION CHECKLIST OF QUALITY PROCEDURES, WHEREVER APPLICABLE SHOULD BE FILLED I N AND SUBMITTED. F)#SITE SUPERVISION, CO-ORDINATION OF FIELD ACTIVITIES, SUPPLY OF	QTY	UOM	BRAND/ORIGIN	WARRANTY		
			REQUIRED TECHNICIANS, TOOLS, EQUIPMENTS, TACKLES ETC. REQUIRED FOR EXECUTION OF THE CONTRACT WORKS SHALL BE SUITABLY CONSIDERED. 4.0#TAKE OVER ON COMPLETION						



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			OF ALL WORK WITHI						
			N THE SCOPE OF THE CONTRACT, FOR						
			ACCEPTANCE OF THE MAINTENANCE WORK,						
			CONTRACTOR SHALL NOTIFY DEWA IN WRITING. A						
			CERTIFICATE OF COMPL						
			ETION WILL BE ISSUED BY DEWA ON FINAL						
			INSPECTION ONLY WHEN THE CONTRACT WORK IS						
			DEEMED TO HAVE BEEN TAKEN OVER BY DEWA						
			RY CONDITION MONITORING CHECKS WHEREVER						
			& WHENEVER REQUIRED. 5.0#WARRANTY A)#ALL						
			THE WORK CARRIED OUT SHALL CARRY A						
			WARRANTY FOR 8000 HOURS OF OPERATION OR 1 YEAR						
			WHICHEVER IS EARLIER. B)#THE GUARANTEE WILL						
			TAKE EFFECT FROM THE DATE OF TAKEOVER BY						
			DEWA OF THE						
			JOB CARRIED OUT BY THE CONTRACTOR.						
			C)#WHEN A DEFECT IS NOTICED DURING THE						
			PERIOD OF WARRANTY, THE CONTRACTOR MUST						
			RECTIFY THE DEFE						
			CT WITHIN A REASONABLE AMOUNT OF TIME FIXED						
			BY DEWA WITH NO CLAIM OR COMPENSATION.						



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			6.0#DOCUMENTS: # ON SATISFACTORY COMPLETION OF THE WORK & HANDING OVER, THE CONTRACTOR SHOULD SUBMIT THE FOLLOWING TO DEWA. ## A)#INSPECTION REPORT. B)#O VERHAUL REPORT. C)#JOB COMPLETION REPORT FOR JOBS OTHER THAN ROUTINE INSPECTION & OVERHAULS D)##AS-FITTED# BILL OF MATERIALS FOR C ONSUMPTION OF SPARES E)#REQUISITION FOR PLANNING OF SPARES BY DEWA BASED ON CURRENT CONDITION OF THE EQUIPMENT FOR WHICH MAINTENANC E WORK WAS TAKEN UP. ANNEXURE # I DETAIL SCOPE OF WORK (MANDATORY) FOR OVERHAUL						PRICE
			THE BOOSTER PUMP OF PUMPING STATION SL.NO#AC TIVITY#REMARKS# 01#DISMANTLING OF THE PUMP#DISMANTLING OF THE PUMP AS PER DEWA ENGINEER#S INSTRUCTION# ##PUMP SHALL BE REMOVED AS PER SEQUENCE WITH SKILLED WORKMANSHIP & CARE.# 02#OVERHAULING OF PUMP#THE						



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			CONTRACTOR SHALL DISMANTLE THE COMPLETE						
			ROTATING ASSEMBLY						
			AT THEIR WORKSHOP AND RECORD ALL FINDINGS						
			IN A TRACK SHEET WITH PHOTOGRAPHS OF						
			DETERIORATED COMPONENTS.# ##THE						
			CONTRACTOR HAS TO CHE						
			CK FOR SHAFT STRAIGHTNESS AND IDENTIFY						
			WORN-OUT AREAS IF ANY. RECONDITIONING OF						
			THE SHAFT SHALL BE CARRIED OUT IN						
			COMPLIANCE WITH TH						
			E LATEST STANDARDS & PROCEDURES.# ##THE						
			CONTRACTOR HAS TO CHECK THE IMPELLER						
			THOROUGHLY FOR ANY RECONDITIONING						
			REQUIRED. # ##BEARING						
			CONDITION TO BE CHECKED & REPLACE THE						
			BEARINGS IF REQUIRED. # ##MECHANICAL SEAL /						
			GLAND SLEEVE CONDITION TO BE CHECKED & TO						
			BE REPL						
			ACED IF REQUIRED.# ##WEAR RINGS DIMENSIONS						
			TO BE CHECKED FOR CLEARANCE & TO BE						
			REPLACED IF REQUIRED.# ##IF ANY PART IS						
			FOUND DEFECTI						
			VE, THE CONTRACTOR HAS TO REPAIR/REPLACE						



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			THE SAME. AVAILABLE SPARE SHALL BE SUPPLIED BY DEWA. IF ANY SPARE IS NOT AVAILABLE WITH DEW A THE CONTRACTOR HAS TO ARRANGE THE SAME. ADDITIONAL COST OF SPARE TO BE SUBMITTED TO DEWA FOR APPROVAL BEFORE PLACING THE ORDER.# # #PUMP CASING SHALL BE CLEANED & INSPECTED FOR ANY DAMAGES. IF REQUIRED DAMAGE SURFACE TO BE REQUIRED BY SANDBLASTING & COATING WITH FOOD GRADE EPOXY.# 03#ASSEMBLY OF THE EQUIPMENT#ASSEMBLY OF THE EQUIPMENT TO BE CARRIED OUT AS PER STANDARD PROCEDURE & MAINTAIN THE FIT & CLEARANCE AS PER MANUAL. # ##DYNAMICALLY BALANCE THE ROTOR ASSEMBLY AS PER ISO1940/1 BALANCE THE BALANCING OF THE INDIVIDUAL ITEMS.# ##PREPARE THE RECORD FOR THE ACTIVITIES CARRIED OUT.# ##DEVIATION TO THE						



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			SET #VALUES# SHALL BE DECIDED BY DEWA. #						
			WORKS (OPTIONAL) SL.NO#ACTIVITY#REM						
			ARKS# 01#IMPELLER MACHINING WORKS#IMPELLER GRIT BLASTING & NDT TO FIND						
			OUT ANY CRACKS EXIST# ##IMPELLER SKIMMING						
			ON BOTH SIDES OF WE						
			AR RING AREAS & FIX NEW RING AND SECURE#						
			02#SHAFT MACHINING WORKS#SHAFT CHROME						
			PLATING ON BEARING SEATING AREAS &						
			MACHINING# ##SHAFT						
			CHROME PLATING ON MECHANICAL SEAL SEATING						
			AREAS & MACHINING# ##SHAFT WORN OUT PLACE						
			METAL REBUILDING & MACHINING# ##SHAFT BEND						
			STRA						
			IGHTENING UP TO (4THOU) MAXIMUM BEND#						
			03#BEARING HOUSING MACHINING WORKS#DE						
			BEARING HOUSING BORE MACHINING &						
			RESLEEVING # ##NDE BEA						
			RING HOUSING BORE MACHINING & RESLEEVING #						
			04#MECHANICAL SEAL FACE#MACHINING AND						
			REPAIRING OF PUMP TOP AND BOTTOM CASINGS						
			HALVES ON						



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			MECHANICAL SEAL FACE# 05#PUMP						
			CASINGS#SKIMMING AND GROOVING OF BOTH						
			SUCTION AND DISCHARGE FLANGES ON PUMP						
			CASING# 06#CONSUMABLE ACC						
			ESSORIES & FITTINGS#MANUFACTURING OF						
			MECHANICAL SEAL COOLING PIPE-FITTINGS,						
			SHAFT LOCK NUT, LOCK WASHER AND RETAINING						
			RING, DOWELL P						
			INS, BEARING SPACER, HOLDING DOWN BOLTS						
			AND BEARING HOUSING GASKETS ETC. SUPPLY OF						
			ALL TYPES OF O-RINGS.# 07#IMPELLER WEAR RINGS#MAC						
			HINING OF IMPELLER WEAR RINGS(SUPPLIED) TO FIX/SUIT WITH PUMP CASE WEAR RING & CASING#						
			08#CASE WEAR RINGS#MACHINING OF CASE WEAR						
			RIN						
			GS (SUPPLIED) TO FIX/SUIT WITH PUMP IMPELLER						
			WEAR RING & CASING# 7.0#MACHINING WORKS:						
			ALL THE MACHINING WORKS SHALL BE CARRIED						
			OU						
			T IN COMPLIANCE WITH THE LATEST STANDARDS &						
			PROCEDURES. PRIOR APPROVAL SHALL BE TAKEN						
			FROM DEWA ENGINEER, BEFORE CARRYING OUT						



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SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			ANY KI ND OF MACHINING WORKS.						
3		ITEM-00003	COMPLETE OVERHAULING OF RO3 BOOSTER PUMP (2NDPASS) AL YASSAT RO PLANT PUMP DETAILS: SULZER (FINLAND, MODEL: A23-40 SL. NO. 100108705 POWER: 37KW CAPACITY:21.9M3/HR HEAD: 180M PLEASE CONTACT MR. NOOR (04-3229439) FOR FURTHER CLARIFICATIONS. 1.0#SCOPE OF WORK THE SCOPE OF WORK (MANDATORY & OPTIONAL) FOR THE OVERHAUL OF BOOSTER PUMPS AND THEIR ACCESSORIES OF BOOSTER PUMPING STATION. # A)#THE CONTRACTOR HAS TO TAKE THE PUMP ASSEMBLY FROM DEWA SITE TO THEIR WORKSHOP & VICE VERSA. DEWA SHALL NOT PROVIDE ANY TRANSPORT TO SHIF T THE SAME. FOR LOADING & UNLOADING CONTRACTOR CAN USE DEWA OVERHEAD CRANE AVAILABLE AT PUMPING STATIONS IN COORDINATION WITH THE D EWA REPRESENTATIVES. B)#MECHANICAL SEAL	1	EA				

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



### **RFQ NUMBER** : 2332300318

: 1032300316

REQ No

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DATE

: Complete overhauling of Produ

DELIVERY LOCATION

CLOSING DATE : 08.02.2023

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			REPLACEMENT, COUPLING BUSH RENEWAL & GLAND PACKING RENEWAL, BEARING REPLACEMENT AS REQUIRED. C)#OVERHAULING OF PUMP (SEE ANNEXURE I-MANDATORY & II-OPTIONAL) D)#PAINTING OF PUMP EXTERNALLY E)#RECTIFICATION OF THE PUMP FOR ANY COMPLAINT ROSE AFTER INSTALLATION. F)#IF ANY PART IS FOUND DEFECTIVE, THE CONTRACTOR HAS TO REPAIR/REPLACE THE SAME. AVAILABLE SPAR E SHALL BE SUPPLIED BY DEWA. IF ANY SPARE IS NOT AVAILABLE WITH DEWA THE CONTRACTOR HAS TO ARRANGE THE SAME. ADDITIONAL COST OF SPAR E TO BE SUBMITTED TO DEWA FOR APPROVAL BEFORE PLACING THE ORDER. 2.0#PRIOR TO SUBMISSION OF QUOTATION, THE FOLLOWING SHALL BE DET ERMINED CAREFULLY: A)#THE CONTRACTOR SHALL VISIT THE SITE AND MAKE HIMSELF FULLY FAMILIAR WITH THE WORK SCOPE, PLANT ACCESS FACILIT						PRICE



#### **RFQ NUMBER** : 2332300318

#### : 31.01.2023

REQ No

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DATE

: 1032300316 : Complete overhauling of Produ

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SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			IES, COMPLEXITIES, ETC., BEFORE SUBMITTING THE QUOTATION. B)#DEWA WILL NOT ACCEPT ANY CLAIM FOR EXTRAS BEYOND THE ORDER RATES / PRI CES DURING AND AFTER THE EXECUTION OF WORK ORDERED. C)#THE CONTRACTOR WILL BE PROVIDED WITH THE EQUIPMENT SHUTDOWN PROGRAM IN COORD INATION WITH OPERATION & MAINTENANCE DEPARTMENT OF WATER DIVISION. D)# THE CONTRACTOR SHOULD SUBMIT THE TIME SCHEDULE /BAR CHART IN DICATING EACH ACTIVITY. E)#ON COMPLETION OF THE WORK, THE INSPECTION CHECKLIST OF QUALITY PROCEDURES, WHEREVER APPLICABLE SHOULD BE FILLED IN AND SUBMITTED. F)#SITE SUPERVISION, CO-ORDINATION OF FIELD ACTIVITIES, SUPPLY OF REQUIRED TECHNICIANS, TOOLS, EQUIPMENTS , TACKLES ETC. REQUIRED FOR EXECUTION OF THE CONTRACT WORKS SHALL BE SUITABLY CONSIDERED. 4.0#TAKE OVER ON COMPLETION OF ALL W						PRICE



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			ORK WITHIN THE SCOPE OF THE CONTRACT, FOR						
			ACCEPTANCE OF THE MAINTENANCE WORK,						
			CONTRACTOR SHALL NOTIFY DEWA IN WRITING. A						
			CERTIFICATE						
			OF COMPLETION WILL BE ISSUED BY DEWA ON						
			FINAL INSPECTION ONLY WHEN THE CONTRACT						
			WORK IS DEEMED TO HAVE BEEN TAKEN OVER BY						
			R NECESSARY CONDITION MONITORING CHECKS						
			5.0#WARRANTY A)#ALL THE WORK CARRIED OUT SHALL CARRY A WAR						
			RANTY FOR 8000 HOURS OF OPERATION OR 1						
			YEAR WHICHEVER IS EARLIER. B)#THE						
			GUARANTEE WILL TAKE EFFECT FROM THE DATE						
			OF TAKEOVER BY DE						
			WA OF THE JOB CARRIED OUT BY THE						
			CONTRACTOR. C)#WHEN A DEFECT IS NOTICED						
			DURING THE PERIOD OF WARRANTY, THE						
			CONTRACTOR MUST RECTIFY						
			THE DEFECT WITHIN A REASONABLE AMOUNT OF						
			TIME FIXED BY DEWA WITH NO CLAIM OR						
			COMPENSATION. 6.0#DOCUMENTS: # ON						



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CLOSING DATE : 08.02.2023

SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			SATISFACTORY COMPL						
			ETION OF THE WORK & HANDING OVER, THE						
			CONTRACTOR SHOULD SUBMIT THE FOLLOWING						
			TO DEWA. ## A)#INSPECTION REP						
			ORT. B)#OVERHAUL REPORT. C)#JOB						
			COMPLETION REPORT FOR JOBS OTHER THAN						
			ROUTINE INSPECTION & OVERHAULS						
			D)##AS-FITTED# BILL OF MATERI						
			ALS FOR CONSUMPTION OF SPARES						
			E)#REQUISITION FOR PLANNING OF SPARES BY						
			DEWA BASED ON CURRENT CONDITION OF THE						
			EQUIPMENT FOR WHICH M						
			AINTENANCE WORK WAS TAKEN UP.						
			ANNEXURE # I DETAIL SCOPE OF WORK						
			(MANDATORY) FOR OVERHAUL THE BOOSTER						
			PUMP OF PUMPING STATION						
			SL.NO#ACTIVITY#REMARKS# 01#DISMANTLING OF						
			THE PUMP#DISMANTLING OF THE PUMP AS PER						
			DEWA ENGINEER#S INSTRUCTION# ##PUMP SHALL						
			BE RE						
			MOVED AS PER SEQUENCE WITH SKILLED						
			WORKMANSHIP & CARE.# 02#OVERHAULING OF						
			PUMP#THE CONTRACTOR SHALL DISMANTLE THE						



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SL NO	ITEM CODE	SERVICE ID	DESCRIPTION	QTY	UOM	BRAND/ORIGIN	WARRANTY	UNIT PRICE	TOTAL PRICE
			COMPLETE ROTATING						
			ASSEMBLY AT THEIR WORKSHOP AND RECORD						
			ALL FINDINGS IN A TRACK SHEET WITH						
			PHOTOGRAPHS OF DETERIORATED						
			COMPONENTS.# ##THE CONTRACTOR H						
			AS TO CHECK FOR SHAFT STRAIGHTNESS AND						
			IDENTIFY WORN-OUT AREAS IF ANY.						
			RECONDITIONING OF THE SHAFT SHALL BE						
			CARRIED OUT IN COMPLIANC						
			E WITH THE LATEST STANDARDS & PROCEDURES.#						
			##THE CONTRACTOR HAS TO CHECK THE						
			IMPELLER THOROUGHLY FOR ANY						
			RECONDITIONING REQUIRED. #						
			##BEARING CONDITION TO BE CHECKED &						
			REPLACE THE BEARINGS IF REQUIRED. #						
			##MECHANICAL SEAL / GLAND SLEEVE CONDITION						
			TO BE CHECKED & T						
			O BE REPLACED IF REQUIRED.# ##WEAR RINGS						
			DIMENSIONS TO BE CHECKED FOR CLEARANCE &						
			TO BE REPLACED IF REQUIRED.# ##IF ANY PART IS						
			FOUN						
			D DEFECTIVE, THE CONTRACTOR HAS TO						
			REPAIR/REPLACE THE SAME. AVAILABLE SPARE						



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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
			SHALL BE SUPPLIED BY DEWA. IF ANY SPARE IS						
			NOT AVAILABLE						
			WITH DEWA THE CONTRACTOR HAS TO ARRANGE						
			THE SAME. ADDITIONAL COST OF SPARE TO BE						
			SUBMITTED TO DEWA FOR APPROVAL BEFORE						
			PLACING THE						
			ORDER.# ##PUMP CASING SHALL BE CLEANED &						
			INSPECTED FOR ANY DAMAGES. IF REQUIRED						
			DAMAGE SURFACE TO BE REQUIRED BY						
			SANDBLASTING & COAT						
			ING WITH FOOD GRADE EPOXY.# 03#ASSEMBLY OF						
			THE EQUIPMENT#ASSEMBLY OF THE EQUIPMENT						
			TO BE CARRIED OUT AS PER STANDARD						
			PROCEDURE & MAI						
			NTAIN THE FIT & CLEARANCE AS PER MANUAL. #						
			##DYNAMICALLY BALANCE THE ROTOR ASSEMBLY						
			AS PER ISO1940/1 BALANCE QUALITY GRADE G						
			2.5/G1.						
			0 WHEREVER POSSIBLE OR CHECK THE						
			BALANCING OF THE INDIVIDUAL ITEMS.#						
			##PREPARE THE RECORD FOR THE ACTIVITIES						
			CARRIED OUT.# ##DEVIATI						
			ON TO THE SET #VALUES# SHALL BE DECIDED BY						

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



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			DEWA. # ANNEXURE # II DETAIL SCOPE FOR						
			MACHINING WORKS (OPTIONAL) SL.NO#ACT						
			IVITY#REMARKS# 01#IMPELLER MACHINING						
			WORKS#IMPELLER GRIT BLASTING & NDT TO FIND						
			OUT ANY CRACKS EXIST# ##IMPELLER SKIMMING						
			ON BOTH SI						
			DES OF WEAR RING AREAS & FIX NEW RING AND						
			SECURE# 02#SHAFT MACHINING WORKS#SHAFT						
			CHROME PLATING ON BEARING SEATING AREAS &						
			MACHINING						
			# ##SHAFT CHROME PLATING ON MECHANICAL						
			SEAL SEATING AREAS & MACHINING# ##SHAFT						
			WORN OUT PLACE METAL REBUILDING &						
			MACHINING# ##SHAFT						
			BEND STRAIGHTENING UP TO (4THOU) MAXIMUM						
			BEND# 03#BEARING HOUSING MACHINING						
			WORKS#DE BEARING HOUSING BORE MACHINING						
			& RESLEEVING #						
			##NDE BEARING HOUSING BORE MACHINING &						
			RESLEEVING # 04#MECHANICAL SEAL						
			FACE#MACHINING AND REPAIRING OF PUMP TOP						
			AND BOTTOM CASINGS						
			HALVES ON MECHANICAL SEAL FACE# 05#PUMP						



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			CASINGS#SKIMMING AND GROOVING OF BOTH						
			SUCTION AND DISCHARGE FLANGES ON PUMP						
			CASING# 06#CONSU						
			MABLE ACCESSORIES &						
			FITTINGS#MANUFACTURING OF MECHANICAL SEAL						
			COOLING PIPE-FITTINGS, SHAFT LOCK NUT, LOCK WASHER AND RETAINING RING.						
			DOWELL PINS, BEARING SPACER, HOLDING DOWN						
			BOLTS AND BEARING HOUSING GASKETS ETC.						
			SUPPLY OF ALL TYPES OF O-RINGS.# 07#IMPELLER						
			WEAR						
			RINGS#MACHINING OF IMPELLER WEAR						
			RINGS(SUPPLIED) TO FIX/SUIT WITH PUMP CASE						
			WEAR RING & CASING# 08#CASE WEAR						
			RINGS#MACHINING OF CASE						
			WEAR RINGS (SUPPLIED) TO FIX/SUIT WITH PUMP						
			IMPELLER WEAR RING & CASING# 7.0#MACHINING						
			WORKS: ALL THE MACHINING WORKS SHALL BE C						
			ARRIED OUT IN COMPLIANCE WITH THE LATEST						
			STANDARDS & PROCEDURES. PRIOR APPROVAL						
			SHALL BE TAKEN FROM DEWA ENGINEER, BEFORE						
			CARRYING O						
			UT ANY KIND OF MACHINING WORKS.						



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DELIVERY LOCATION	
CLOSING DATE	: 08.02.2023
CLOSING TIME	: 10:00:00

TOTAL AMOUNT IN WORDS:

TOTAL AMOUNT:

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

Complete overhauling of Product Backwash pump, 2nd pass pump and HP pump of AI Yassat Island RO plants

#### **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.



# REQUEST FOR QUOTATION

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SUPPLIER'S REMARKS :

SUPPLIER'S SIGNATURE AND STAMP