ANNEX 2.1

STATEMENT OF COMPLIANCE - ELEVATED RESERVOIR AREA

Line No.	Description	Qty	Unit	Comply / Not Comply	Submit docs as evidence
1	Prewired Distributed Controller (DC) Panel, metal powder coated, wall-mounted indoor type, complete with: 1 unit DC Main CPU with Serial and Ethernet communication ports with Achilles Level 1 Cybersecurity Certification 1 unit DC Module, 64 Points Digital input 1 unit DC Module, 16 Points Digital output 1 unit DC Module, 4 Channels Analog Input 1 unit DC Module, 2 Channels Analog Output 1 unit 24Vdc power supply, 10Amp, 100-240Vac input 1 unit 24Vdc UPS System, 10Amp, 10 minutes backup storage time, DIN rail mounted 1 unit Potential transformer, 500VA, 460/230Vac, 1 phase 2 units Miniature Circuit Breaker, DIN rail mounted, 2 pole, 6Amp 16 unitInterposing relays, 24Vdc, 1 Pole 1 lot Control wire and wiring accessories	1	assy		1. Datasheet 2. Cybersecurity Cert. 3. Authorized System Integrator Cert. 4. Full-time System Engineer Training Cert.
2	Network switch, Industrial type, 8 x Gigabit port, 2 x Gigabit RJ-45 / SFP shared ports for Fiber Optic	1	unit		Datasheet
3	Radar Type Continuous Level Transmitter, 4-20mA, 0-15meters, integrally mounted indicator, loop powered, +/- 2mm accuracy, 1 1/2 NPT PVDF material process connection	2	sets		Datasheet
4	Level Switch, Conductive Multiple Cable Electrode, 5 Points. Integrated controller with Fault Monitoring with LED Display Detects Line Break	2	sets		Datasheet
5	Motor Operated Valve (MOV), 14" pipe diameter, A216-WCB, 400Vac, 3 phase, modulating with feedback signal	1	unit		Datasheet

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6	Digital Power Meter , with Power Quality Analysis capable for the following requirements: a). up to the 31st harmonic b). Apparent power min/max, total c). Active and reactive power min/max, total d). Current min/max, avg e). Voltage min/max, avg f). Frequency min/max, avg g). Total current harmonic distortion THD (I) per phase h). Total voltage harmonic distortion THD (U) per phase i). Power factor min/max, avg j). Apparent energy total k). Active and reactive energy tota j). Accuracy Class 1 for Energy	1	set		Datasheet
7	Network Video Recorder (NVR), 8 channels, with 1TB HDD	1	unit		Datasheet
8	IP Camera, Bullet, Outdoor type	4	units		Datasheet
9	Lightning protection system, complete with lightning rod, down cable and dedicatedgrounding rod	1	set		
10	Equipment and electrical grounding system - complete with ground bar, bare cable and grounding rod	1	set		
11	Low potential/signal communication grounding system - complete with ground bar, bare cable and grounding rod	1	set		
12	Power supply and control cable, MOV to DC Panel - 3Cx3.5mm sq. Stranded Copper wire, 600V, PVC Insulated in 1" diameter conduit - 7Cx1.0mm sq + G, Stranded Copper Wire, PVC Insulated in 3/4" diameter Conduit	100	lm		
13	Cable and conduit from radar Level Sensor to DC Panel - Instrumentation Cable, Single Twisted pair, 1.0mm sq. Stranded Copper wire, Shielded with drain wire, PVC Insulated in 3/4" diameter Conduit	100	lm		

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14	Cable and conduit from existing flow meter to DC Panel - Instrumentation Cable, Single Twisted pair, 1.0mm sq. Stranded Copper wire, Shielded with drain wire, PVC Insulated in 3/4" diameter Conduit	100	lm		
15	Cable and conduit from existing UV sensor to DC Panel - Instrumentation Cable, Single Twisted pair, 1.0mm sq. Stranded Copper wire, Shielded with drain wire, PVC Insulated in 3/4" diameter Conduit	400	lm		
16	Cable and conduit from Level switch to DC Panel - 7Cx1.0mm sq + G, Stranded Copper Wire, PVC Insulated in 3/4" diameter Conduit	100	lm		
17	Cable and conduit from existing VFD to DC Panel - RS485 cable, Single Twisted pair, 1.0mm sq. Stranded Copper wire, Shielded with drain wire, PVC Insulated in 3/4" diameter Conduit	30	lm		
18	Cable and conduit from IP camera to DC Panel - Ethernet Copper Cable, CAT5e, Outdoor Type in 3/4" diameter conduit	400	lm		
19	Labor which includes: 1. Detailed engineering and design 2. Site mobilization and demobilization 3. Mounting and installation of DC panel 4. Mounting and installation of field instruments 5. CCTV camera installation 6. Cable and conduit installation 7 DC CPU, VFD and Network Swicth programming 9. Testing and commissioning 10. Project turn-over	1	lot		